

# Converting Colors

XYZ(75.9330, 80.2710, 84.1394)

Have a look what the booklet for  
XYZ(75.9330, 80.2710, 84.1394)  
contains.

<b>XYZ(76.0005, 80.4151, 84.1891)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.0005, 80.4151,  
84.1891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E8E3
RGB	232, 232, 227
RGB Percent	91%, 91%, 89%
CMY	0.0902, 0.0902, 0.1098
CMYK	0.00, 0.00, 0.02, 0.09
HSL	60°, 10%, 90%
HSV	60°, 2%, 91%
XYZ	76.0005, 80.4151, 84.1891
YIQ	231.4300, 1.6050, -1.5550

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	227, 232, 227
Decimal	15263971
CIELab	91.87, -0.88, 2.42
CIElCh	92, 2.571, 109.943
Yxy	80.4151, 0.3159, 0.3342
Android (android.graphics.Color)	4293454051 (0xFFE8E8E3)
YUV	231.4300, -2.1840, 0.4999
Hunter-Lab	89.6745, -5.6488, 7.1089

# Details

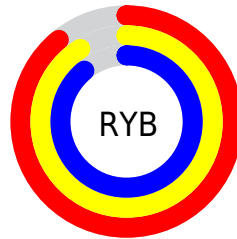
The XYZ color **76.0005, 80.4151, 84.1891** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.7162, 77.0974, 87.3441**, and the grayscale version is **76.2929, 80.2660, 87.4097**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8762, 43.2593, 45.2252** is the 20% darker color. If you saturate the color by 10%, you get **73.0066, 79.2194, 68.4448**, and if you desaturate by 10%, it is **79.4305, 81.7904, 102.2095**.

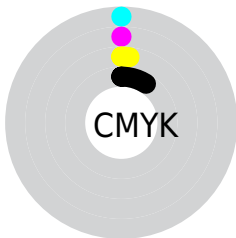
# Distribution



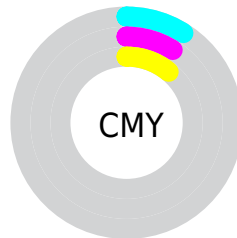
- Red (91%)
- Green (91%)
- Blue (89%)



- Red (89%)
- Yellow (91%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0005, 80.4151, 84.1891 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.0005, 80.4151, 84.1891 by changing the saturation by 10% instead.



■ 76.0005, 80.4151,  
84.1891

■ 76.0005, 80.4151,  
84.1891

470.2938,  
496.3306, 529.0154

■ 56.7300, 60.0600,  
62.6253

126.7080,  
133.9492, 141.1038

■ 41.0278, 43.4670,  
45.0991

158.8756,  
167.8970, 177.2917

■ 28.5286, 30.2517,  
31.1920

196.0730,  
207.1444, 219.1914

■ 18.8670, 20.0297,  
20.4854

238.6655,  
252.0759, 267.2214

■ 11.6776, 12.4166,  
12.5608

287.0185,  
303.0759, 321.8002

■ 6.5952, 7.0281,  
6.9997

341.4973,

■ 3.2543, 3.4797,

360.5288, 383.3465

3.3834

402.4673,  
424.8189, 452.2787

■ 1.2896, 1.3870,  
1.2936

■ 0.1754, 0.2071,  
0.0565

■ 76.0005, 80.4151,  
84.1891

■ 76.0005, 80.4151,  
84.1891

■ 73.0066, 79.2194,  
68.4448

■ 79.4305, 81.7904,  
102.2095

■ 70.4248, 78.1860,  
54.8811


■ 80.1995, 82.0987,  
106.2274

■ 68.2393, 77.3111,  
43.4036


■ 80.2055, 82.1018,  
106.2277

■ 66.4302, 76.5868,  
33.9088


■ 80.2116, 82.1049,  
106.2280

 64.9763, 76.0045,  
26.2843


 80.2177, 82.1080,  
106.2283


 63.8542, 75.5550,  
20.4069


 80.2237, 82.1111,  
106.2285

 63.0376, 75.2276,  
16.1381

 80.2298, 82.1143,  
106.2288

 62.4962, 75.0104,  
13.3189

 80.2358, 82.1174,  
106.2291

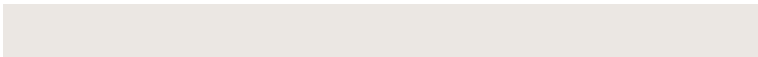
 62.1938, 74.8887,  
11.7577

 80.2419, 82.1205,  
106.2294

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6538, 80.4151, 84.0314



76.0005, 80.4151, 84.1891



75.4658, 80.4151, 85.2422

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0005, 80.4151, 84.1891



75.6191, 80.4151, 90.3672



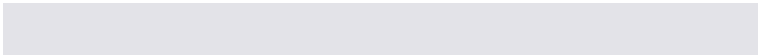
77.6874, 80.4151, 88.1940

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.0005, 80.4151, 84.1891



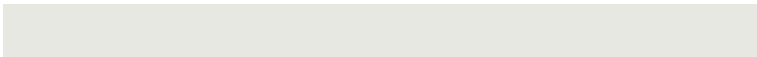
73.7162, 77.0974, 87.3441

# Split Complementary

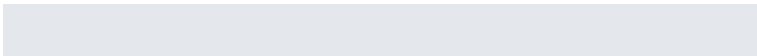
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4067, 80.4151, 89.9161



76.0005, 80.4151, 84.1891



76.2109, 80.4151, 91.1826

# Square

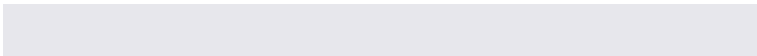
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



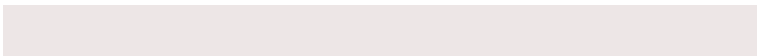
76.0005, 80.4151, 84.1891



75.2465, 80.4151, 88.8027



76.8654, 80.4151, 91.0164



77.6302, 80.4151, 86.3257

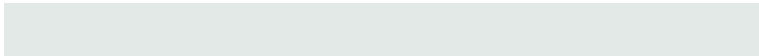


# Rectangle

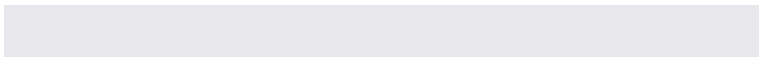
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



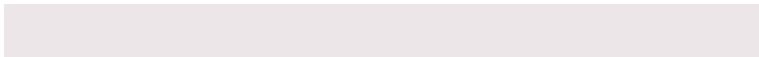
76.0005, 80.4151, 84.1891



75.2473, 80.4151, 86.3189



76.8654, 80.4151, 91.0164



77.6293, 80.4151, 88.8096

# Sweetspot

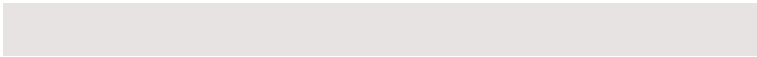
The Sweet Spot groups the original color and five complimentary colors.



76.0028, 80.4186, 84.1908



94.6414, 99.8365, 106.7520



74.6154, 77.6420, 83.7280



20.2614, 21.3708, 22.8720



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

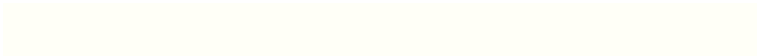


# Same Dimension

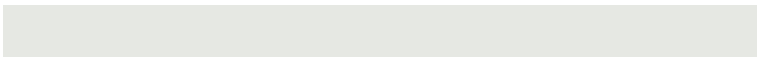
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0028, 80.4186, 84.1908



93.8403, 99.5159, 102.5417



75.1976, 80.0035, 84.1532



15.9624, 16.9615, 17.2301



34.4621, 41.5473, 6.2031

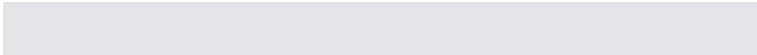


2.5470, 3.0704, 0.4584



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.7162, 77.0974, 87.3441



89.9014, 93.7948, 107.9736



74.5099, 77.5066, 87.3813



15.1241, 15.7440, 18.3861



8.0880, 3.2354, 42.5814

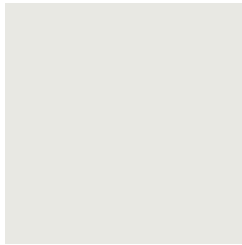


0.5981, 0.2393, 3.1466



# Previews

## White Background



This preview shows how the XYZ color 76.0005, 80.4151, 84.1891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

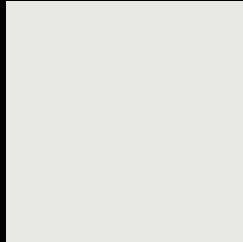
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0005, 80.4151, 84.1891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

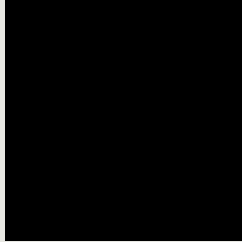
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

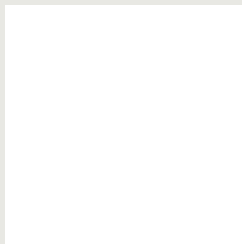
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.0005, 80.4151, 84.1891

## Background



This preview shows how black text looks on a background with the XYZ color 76.0005, 80.4151, 84.1891.



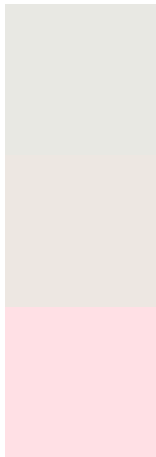
This preview shows how white text looks on a background with the XYZ color 76.0005, 80.4151,

84.1891.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

76.0005, 80.4151, 84.1891

### Protanopia

77.2284, 80.6473, 83.4476

### Deuteranopia

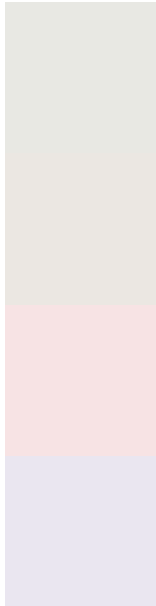
82.0385, 80.2285, 85.2905



## Tritanopia

79.0688, 80.4162, 99.3502

# Trichromacy



## Original Color

76.0005, 80.4151, 84.1891

## Protanomaly

76.5643, 80.3050, 83.4165

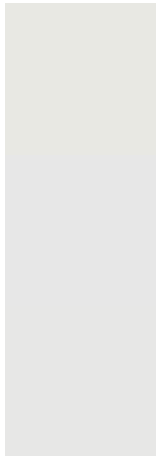
## Deuteranomaly

79.8304, 80.3138, 84.6934

## Tritanomaly

77.9567, 80.3773, 93.8437

# Monochromacy



## Original Color

76.0005, 80.4151, 84.1891

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.8138, 79.8539, 86.2804

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0005, 80.4151, 84.1891 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(232, 232, 227) looks like.

```
.text, #text, p{  
    color:rgb(232, 232, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 232, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0005, 80.4151, 84.1891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 232, 227) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 232, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(232, 232,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0005, 80.4151, 84.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 232, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
232, 227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor