

# Converting Colors

XYZ(76.4921, 81.3712, 83.1860)

Have a look what the booklet for  
XYZ(76.4921, 81.3712, 83.1860)  
contains.

<b>XYZ(76.6177, 81.6055, 82.9474)</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(76.6177, 81.6055,  
82.9474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9EAE1
RGB	233, 234, 225
RGB Percent	91%, 92%, 88%
CMY	0.0863, 0.0823, 0.1176
CMYK	0.00, 0.00, 0.04, 0.08
HSL	67°, 18%, 90%
HSV	67°, 4%, 92%
XYZ	76.6177, 81.6055, 82.9474
YIQ	232.6750, 2.2930, -3.0110

# Conversions

## Conversions Part 2

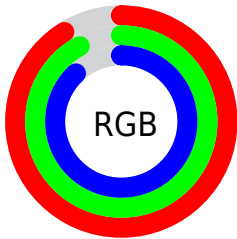
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 234, 226
Decimal	15330017
CIE <sub>Lab</sub>	92.40, -1.91, 4.24
CIE <sub>LCh</sub>	92, 4.646, 114.233
Yxy	81.6055, 0.3177, 0.3384
Android (android.graphics.Color)	4293520097 (0xFFE9EAE1)
YUV	232.6750, -3.7838, 0.2850
Hunter-Lab	90.3358, -6.6939, 8.7942

# Details

The XYZ color **76.6177, 81.6055, 82.9474** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.1436, 75.9619, 88.6531**, and the grayscale version is **77.2361, 81.2583, 88.4903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3076, 44.0902, 44.3633** is the 20% darker color. If you saturate the color by 10%, you get **72.7969, 79.9821, 67.2311**, and if you desaturate by 10%, it is **80.8933, 83.4175, 100.9721**.

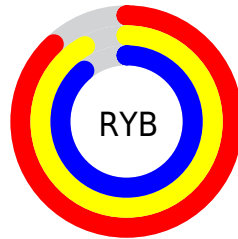
# Distribution



Red (91%)

Green (92%)

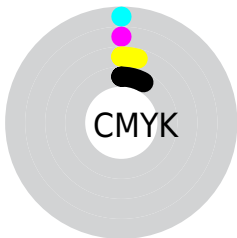
Blue (88%)



Red (88%)

Yellow (92%)

Blue (89%)

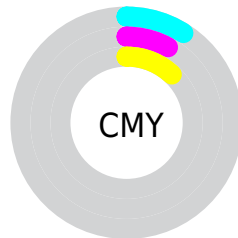


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (8%)



Cyan (9%)

Magenta (8%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6177, 81.6055, 82.9474 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 76.6177, 81.6055, 82.9474 by changing the saturation by 10% instead.



■ 76.6177, 81.6055,  
82.9474

■ 76.6177, 81.6055,  
82.9474

472.3715,  
500.3271, 524.7776

■ 57.2380, 61.0404,  
61.6064

127.5754,  
135.6206, 139.3504

■ 41.4372, 44.2578,  
44.2810

159.8841,  
169.8395, 175.2494

■ 28.8501, 30.8732,  
30.5527

197.2332,  
209.3784, 216.8382

■ 19.1111, 20.5023,  
20.0029

239.9880,  
254.6217, 264.5353

■ 11.8551, 12.7607,  
12.2130

288.5138,  
305.9538, 318.7593

■ 6.7166, 7.2640,  
6.7646

343.1762,

■ 3.3302, 3.6277,

363.7592, 379.9286

3.2391

404.3403,  
428.4222, 448.4619

■ 1.3307, 1.4676,  
1.2180

■ 0.2060, 0.2657,  
0.0000

■ 76.6177, 81.6055,  
82.9474

■ 76.6177, 81.6055,  
82.9474

■ 72.7969, 79.9821,  
67.2311

■ 80.8933, 83.4175,  
100.9721

■ 69.4062, 78.5295,  
53.7248

■ 82.8086, 84.2842,  
106.5117

■ 66.4290, 77.2439,  
42.3307

■ 83.6923, 84.7398,  
106.5531

■ 63.8450, 76.1169,  
32.9420

■ 84.5888, 85.2020,  
106.5951

61.6319, 75.1397,  
25.4421

85.4981, 85.6708,  
106.6376

59.7654, 74.3026,  
19.7028

86.4203, 86.1462,  
106.6808

58.2180, 73.5945,  
15.5796

87.3554, 86.6282,  
106.7245

56.9579, 73.0028,  
12.9056

88.3035, 87.1170,  
106.7689

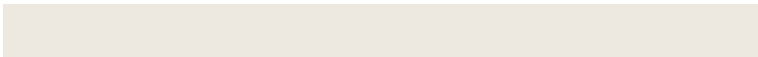
55.9463, 72.5119,  
11.4772

88.7144, 87.3288,  
106.7881

# Harmonies

## Analogous

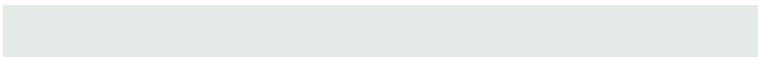
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7963, 81.6055, 82.4228



76.6177, 81.6055, 82.9474



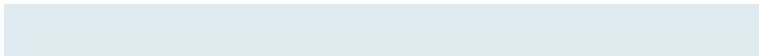
75.7011, 81.6055, 85.0371

# Triad

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



76.6177, 81.6055, 82.9474



76.2189, 81.6055, 94.3409



79.8887, 81.6055, 89.5221

# Complementary

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



76.6177, 81.6055, 82.9474



73.1436, 75.9619, 88.6531

# Split Complementary

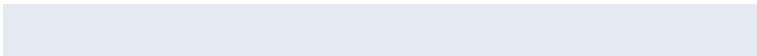
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4563, 81.6055, 92.7845



76.6177, 81.6055, 82.9474



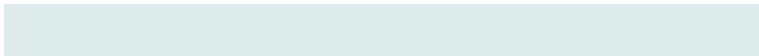
77.3313, 81.6055, 95.6124

# Square

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



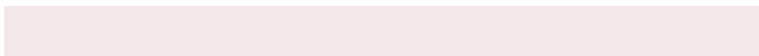
76.6177, 81.6055, 82.9474



75.4726, 81.6055, 91.6024



78.5172, 81.6055, 95.0356



79.6928, 81.6055, 86.1622



# Rectangle

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



76.6177, 81.6055, 82.9474



75.3579, 81.6055, 87.0659



78.5172, 81.6055, 95.0356



79.8119, 81.6055, 90.6675

# Sweetspot

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



76.6200, 81.6090, 82.9492



94.5376, 99.7829, 106.7472



74.6941, 77.2692, 82.2130



20.2403, 21.3599, 22.8710



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.



76.6200, 81.6090, 82.9492



92.5434, 98.9371, 98.4206



75.2019, 80.8780, 82.8828



16.4962, 17.6725, 17.3684



31.2034, 40.6304, 6.1979



2.4974, 3.2148, 0.4889



# Inverse Universe

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



73.1436, 75.9619, 88.6531



87.0711, 90.0477, 107.3995



74.5407, 76.6821, 88.7185



15.3943, 15.8825, 19.1765



8.6380, 3.4890, 43.9611

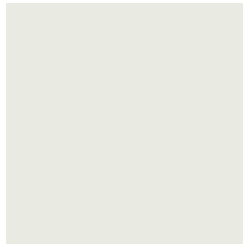


0.7301, 0.3007, 3.4544



# Previews

## White Background



This preview shows how the XYZ color 76.6177, 81.6055, 82.9474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

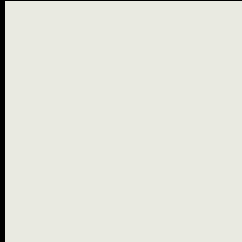
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6177, 81.6055, 82.9474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

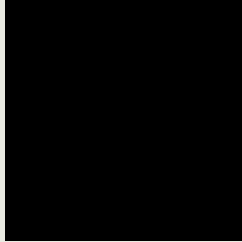
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

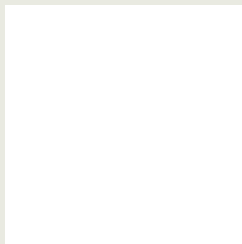
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.6177, 81.6055, 82.9474

## Background



This preview shows how black text looks on a background with the XYZ color 76.6177, 81.6055, 82.9474.



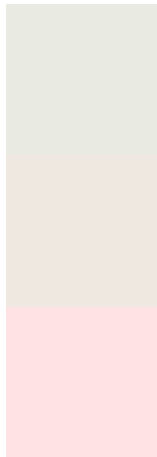
This preview shows how white text looks on a background with the XYZ color 76.6177, 81.6055,

82.9474.

# 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

76.6177, 81.6055, 82.9474

### Protanopia

77.9078, 81.4458, 82.1354

### Deuteranopia

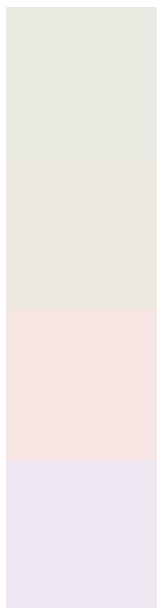
82.4399, 81.2541, 84.7374



## **Tritanopia**

80.3207, 81.4377, 101.1082

# Trichromacy



## Original Color

76.6177, 81.6055, 82.9474

## Protanomaly

77.5185, 81.6642, 82.1981

## Deuteranomaly

80.2422, 81.3588, 84.1477

## Tritanomaly

78.8962, 81.2760, 93.9676

# Monochromacy



## Original Color

76.6177, 81.6055, 82.9474

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.0261, 81.3146, 86.4985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6177, 81.6055, 82.9474 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(233, 234, 225) looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 225)  
}
```

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(233, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6177, 81.6055, 82.9474 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(233, 234, 225) }
```



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

```
.border{ border-color:rgb(233, 234, 225) }
```

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

Here you see how a box with a 4 pixel rgb(233, 234, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6177, 81.6055, 82.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 234, 225) }
```

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

```
.background{ background-color: rgb(233,  
234, 225) }
```

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