

Converting Colors

XYZ(76.7836, 83.3804, 80.5829)

Have a look what the booklet for
XYZ(76.7836, 83.3804, 80.5829)
contains.

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Color

**XYZ(76.9044, 83.5253,
80.4753)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EEDD
RGB	232, 238, 221
RGB Percent	91%, 93%, 87%
CMY	0.0902, 0.0666, 0.1333
CMYK	0.03, 0.00, 0.07, 0.07
HSL	81°, 33%, 90%
HSV	81°, 7%, 93%
XYZ	76.9044, 83.5253, 80.4753
YIQ	234.2680, 1.8810, -6.5590

Conversions

Conversions Part 2

Format	Color
R_{YB}	221, 238, 227
Decimal	15265501
CIE Lab	93.24, -4.96, 7.52
CIE LCh	93, 9.014, 123.409
Yxy	83.5253, 0.3192, 0.3467
Android (android.graphics.Color)	4293455581 (0xFFE8EEDD)
YUV	234.2680, -6.5411, -1.9890
Hunter-Lab	91.3922, -9.7327, 11.7668

Details

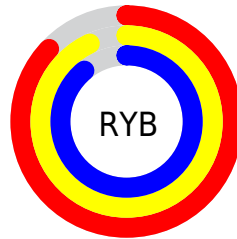
The XYZ color **76.9044, 83.5253, 80.4753** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9708, 74.2191, 91.3730**, and the grayscale version is **78.4587, 82.5447, 89.8911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5154, 45.4392, 42.6589** is the 20% darker color. If you saturate the color by 10%, you get **71.2931, 80.9758, 64.8166**, and if you desaturate by 10%, it is **83.1004, 86.3292, 98.5114**.

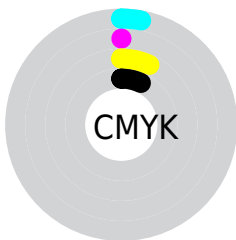
Distribution



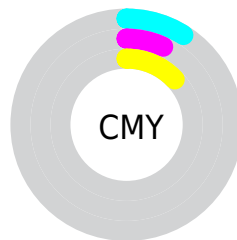
- Red (91%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9044, 83.5253, 80.4753 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 76.9044, 83.5253, 80.4753 by changing the saturation by 10% instead.

■ 76.9044, 83.5253,
80.4753

■ 76.9044, 83.5253,
80.4753

473.3350,
506.7355, 516.2821

■ 57.4741, 62.6236,
59.5811

127.9781,
138.3109, 135.8512

■ 41.6276, 45.5368,
42.6580

160.3521,
172.9637, 171.1700

■ 28.9996, 31.8804,
29.2874

197.7715,
212.9689, 212.1340

■ 19.2248, 21.2702,
19.0509

240.6015,
258.7109, 259.1619

■ 11.9378, 13.3216,
11.5299

289.2075,
310.5742, 312.6721

■ 6.7732, 7.6504,
6.3058

343.9548,

■ 3.3658, 3.8721,

368.9431, 373.0831

2.9601

405.2088,
434.2021, 440.8136

■ 1.3500, 1.6023,
1.0743

■ 0.2202, 0.3591,
0.0000

■ 76.9044, 83.5253,
80.4753

■ 76.9044, 83.5253,
80.4753

■ 71.2931, 80.9758,
64.8166

■ 83.1004, 86.3292,
98.5114

■ 66.2389, 78.6613,
51.4307

■ 87.6253, 88.4771,
107.0672

■ 61.7222, 76.5765,
40.2132

■ 89.8662, 89.6323,
107.1721

■ 57.7194, 74.7116,
31.0496

■ 54.2047, 73.0563,
23.8145

■ 51.1499, 71.5988,
18.3691

■ 48.5231, 70.3263,
14.5561

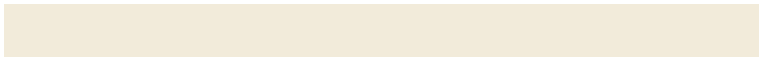
■ 46.2870, 69.2236,
12.1906

■ 44.3942, 68.2715,
11.0331

Harmonies

Analogous

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



79.1175, 83.5253, 78.5240



76.9044, 83.5253, 80.4753



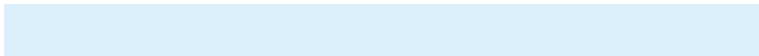
75.3809, 83.5253, 85.2248

Triad

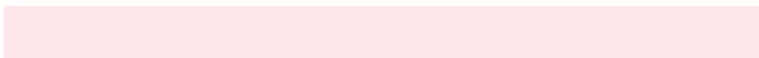
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9044, 83.5253, 80.4753



77.3650, 83.5253, 103.1272



84.0267, 83.5253, 90.1706

Complementary

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



76.9044, 83.5253, 80.4753



72.9708, 74.2191, 91.3730

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.



83.5353, 83.5253, 96.9153



76.9044, 83.5253, 80.4753



79.6597, 83.5253, 104.6109

Square

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



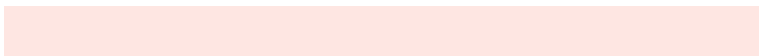
76.9044, 83.5253, 80.4753



75.6431, 83.5253, 98.3251



81.9251, 83.5253, 102.2852



83.2551, 83.5253, 83.9434

Rectangle

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



76.9044, 83.5253, 80.4753



74.9450, 83.5253, 89.4545



81.9251, 83.5253, 102.2852



84.0038, 83.5253, 92.4517

Sweetspot

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



76.9067, 83.5289, 80.4771



93.5802, 99.3359, 104.6018



75.7694, 78.3112, 79.5299



20.0455, 21.2690, 22.4341



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

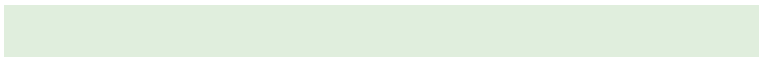
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9067, 83.5289, 80.4771



88.6538, 97.1043, 90.4516



74.2294, 82.1487, 80.3518



16.5498, 18.1636, 16.7834



24.6336, 38.0207, 6.0404



2.1568, 3.2184, 0.5075

Inverse Universe

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



72.9708, 74.2191, 91.3730



82.9081, 83.5136, 106.3577



75.7017, 75.6269, 91.5008



15.4238, 15.5002, 19.9005



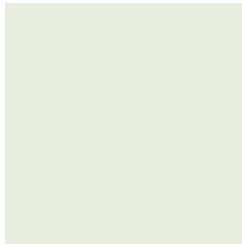
10.7786, 4.5620, 45.4403



1.0009, 0.4332, 3.7851

Previews

White Background



This preview shows how the XYZ color 76.9044, 83.5253, 80.4753 looks on a white background.

Color Contrast Check

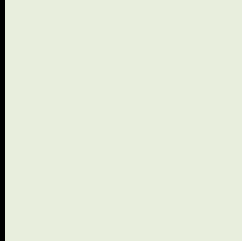
Large Text (above 18pt) WCAG AA × Fail

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 76.9044, 83.5253, 80.4753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

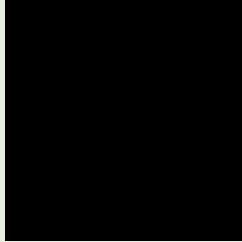
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

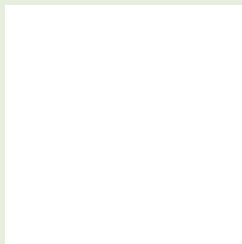
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9044, 83.5253, 80.4753

Background



This preview shows how black text looks on a background with the XYZ color 76.9044, 83.5253, 80.4753.



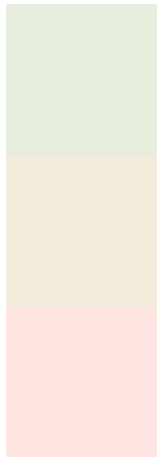
This preview shows how white text looks on a background with the XYZ color 76.9044, 83.5253,

80.4753.

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

76.9044, 83.5253, 80.4753

Protanopia

79.4567, 83.5858, 78.9637

Deuteranopia

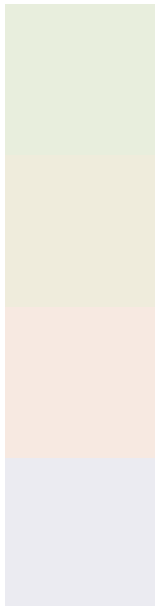
83.4019, 83.3997, 84.3750



Tritanopia

81.6347, 83.3106, 103.8734

Trichromacy



Original Color

76.9044, 83.5253, 80.4753

Protanomaly

78.5103, 83.5089, 79.6910

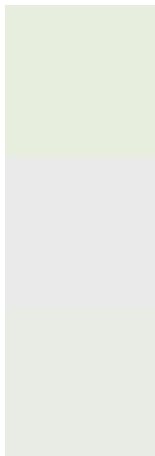
Deuteranomaly

81.0873, 83.4882, 83.0752

Tritanomaly

79.8465, 83.4297, 95.1143

Monochromacy



Original Color

76.9044, 83.5253, 80.4753

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.4555, 82.3974, 85.9507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9044, 83.5253, 80.4753 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, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 221)  
}
```

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, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 221) }
```

Border

The CSS property to change the border of an element to XYZ 76.9044, 83.5253, 80.4753 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, 238, 221) }
```


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

```
.border{ border-color:rgb(232, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9044, 83.5253, 80.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 221) }
```

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

```
.background{ background-color: rgb(232,  
238, 221) }
```

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](#).

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