

Converting Colors

XYZ(78.2439, 83.2634, 80.3542)

Have a look what the booklet for
XYZ(78.2439, 83.2634, 80.3542)
contains.

XYZ(78.3065, 83.3885, 80.3750)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.3065, 83.3885,
80.3750)**

Conversions

Conversions Part 1

Format	Color
Hex	EEECDD
RGB	238, 236, 221
RGB Percent	93%, 93%, 87%
CMY	0.0667, 0.0745, 0.1333
CMYK	0.00, 0.01, 0.07, 0.07
HSL	53°, 33%, 90%
HSV	53°, 7%, 93%
XYZ	78.3065, 83.3885, 80.3750
YIQ	234.8880, 6.0070, -4.2410

Conversions

Conversions Part 2

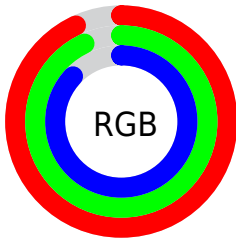
Format	Color
R _Y B	223, 238, 221
Decimal	15658205
CIE Lab	93.18, -1.89, 7.50
CIE LCh	93, 7.731, 104.160
Yxy	83.3885, 0.3235, 0.3445
Android (android.graphics.Color)	4293848285 (0xFFEEECDD)
YUV	234.8880, -6.8468, 2.7292
Hunter-Lab	91.3173, -6.7378, 11.7367

Details

The XYZ color **78.3065, 83.3885, 80.3750** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **71.6390, 74.3194, 91.4592**, and the grayscale version is **78.9296, 83.0401, 90.4307**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4956, 45.3408, 42.5883** is the 20% darker color. If you saturate the color by 10%, you get **74.5604, 80.6158, 64.5752**, and if you desaturate by 10%, it is **82.5193, 86.3735, 98.5502**.

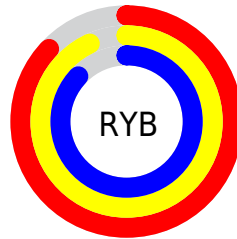
Distribution



Red (93%)

Green (93%)

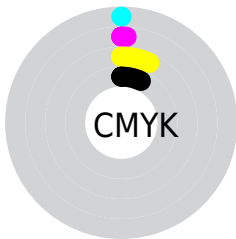
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

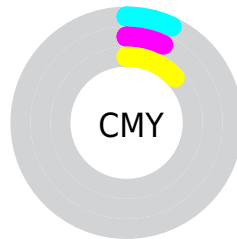


Cyan (0%)

Magenta (1%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3065, 83.3885, 80.3750 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 78.3065, 83.3885, 80.3750 by changing the saturation by 10% instead.

■ 78.3065, 83.3885,
80.3750

■ 78.3065, 83.3885,
80.3750

478.0310,
506.2804, 515.9358

■ 58.6294, 62.5107,
59.4990

129.9452,
138.1195, 135.7090

■ 42.5601, 45.4455,
42.5923

162.6375,
172.7414, 171.0041

■ 29.7332, 31.8085,
29.2363

200.3990,
212.7135, 211.9426

■ 19.7832, 21.2152,
19.0126

243.5950,
258.4202, 258.9431

■ 12.3449, 13.2814,
11.5024

292.5908,
310.2458, 312.4241

■ 7.0529, 7.6226,
6.2875

347.7519,

■ 3.5418, 3.8544,

368.5748, 372.8042

2.9490

409.4435,
433.7915, 440.5019

■ 1.4463, 1.5925,
1.0687

■ 0.2889, 0.3525,
0.0000

■ 78.3065, 83.3885,
80.3750

■ 78.3065, 83.3885,
80.3750

■ 74.5604, 80.6158,
64.5752

■ 82.5193, 86.3735,
98.5502

■ 71.2554, 78.0368,
51.0462

■ 84.9415, 88.6598,
107.2439

■ 68.3735, 75.6470,
39.6838

■ 85.7776, 90.3319,
107.5226

■ 65.8929, 73.4375,
30.3734

■ 86.6264, 92.0295,
107.8055

■ 63.7897, 71.3989,
22.9899

■ 87.4880, 93.7527,
108.0927

■ 62.0377, 69.5203,
17.3946

■ 88.3625, 95.5017,
108.3842

■ 60.6068, 67.7898,
13.4300

■ 89.0703, 96.9174,
108.6202

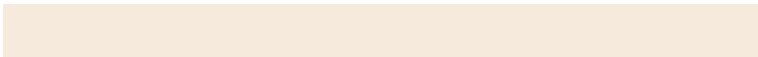
■ 59.4619, 66.1932,
10.9115

■ 58.5576, 64.7122,
9.5997

Harmonies

Analogous

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



80.3292, 83.3885, 80.4533



78.3065, 83.3885, 80.3750



76.5680, 83.3885, 83.0045

Triad

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



78.3065, 83.3885, 80.3750



76.4889, 83.3885, 98.8147



83.0758, 83.3885, 93.8837

Complementary

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



78.3065, 83.3885, 80.3750



71.6390, 74.3194, 91.4592

Split Complementary

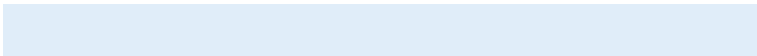
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0109, 83.3885, 99.0602



78.3065, 83.3885, 80.3750



78.1969, 83.3885, 101.9890

Square

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



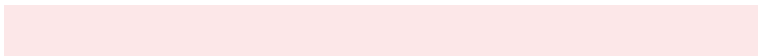
78.3065, 83.3885, 80.3750



75.5308, 83.3885, 93.5603



80.2177, 83.3885, 102.0807



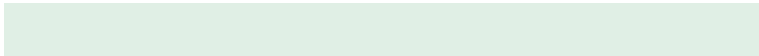
83.1064, 83.3885, 88.0865

Rectangle

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



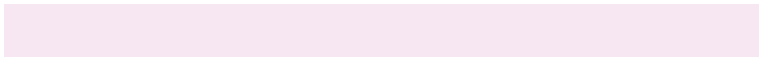
78.3065, 83.3885, 80.3750



75.7943, 83.3885, 86.0068



80.2177, 83.3885, 102.0807



82.8261, 83.3885, 95.7596

Sweetspot

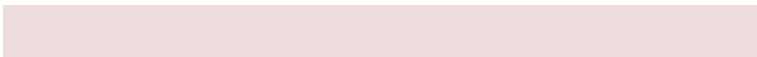
The Sweet Spot groups the original color and five complimentary colors.



78.3088, 83.3921, 80.3768



94.0490, 99.2945, 104.5691



74.4727, 75.2334, 80.5982



20.1408, 21.2605, 22.4275



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.



78.3088, 83.3921, 80.3768



90.7192, 96.9022, 90.3038



76.8297, 83.4874, 80.4731



16.9553, 18.1237, 16.7543



32.6003, 35.9987, 5.2302



2.7564, 3.0836, 0.4499

Inverse Universe

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



71.6390, 74.3194, 91.4592



80.9800, 83.6543, 106.4865



73.0424, 74.2561, 91.3730



15.0467, 15.5275, 19.9257



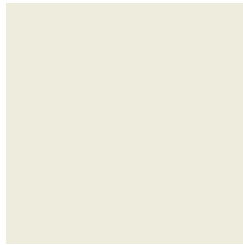
8.8883, 4.0008, 45.4316



0.7877, 0.4295, 3.7956

Previews

White Background



This preview shows how the XYZ color 78.3065, 83.3885, 80.3750 looks on a white background.

Color Contrast Check

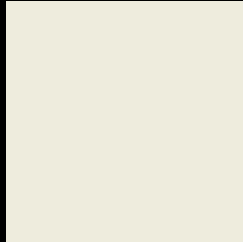
Large Text (above 18pt) WCAG AA × Fail

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 78.3065, 83.3885, 80.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

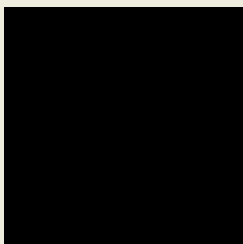
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

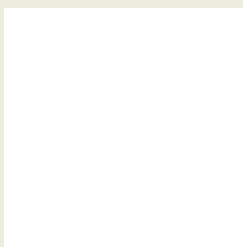
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3065, 83.3885, 80.3750

Background



This preview shows how black text looks on a background with the XYZ color 78.3065, 83.3885, 80.3750.



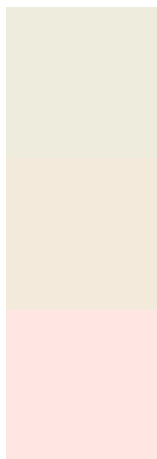
This preview shows how white text looks on a background with the XYZ color 78.3065, 83.3885,

80.3750.

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

78.3065, 83.3885, 80.3750

Protanopia

79.3032, 83.0676, 79.5641

Deuteranopia

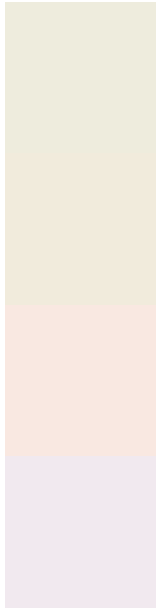
83.4019, 83.3997, 84.3750



Tritanopia

82.7299, 83.4926, 102.1978

Trichromacy



Original Color

78.3065, 83.3885, 80.3750

Protanomaly

78.9022, 83.2847, 79.6271

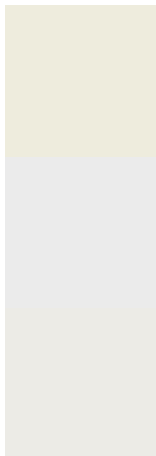
Deuteranomaly

81.5141, 83.2892, 83.0143

Tritanomaly

80.9945, 83.2106, 93.4537

Monochromacy



Original Color

78.3065, 83.3885, 80.3750

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5833, 82.9627, 86.7345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3065, 83.3885, 80.3750 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(238, 236, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 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(238, 236, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 221) }
```

Border

The CSS property to change the border of an element to XYZ 78.3065, 83.3885, 80.3750 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(238, 236, 221) }
```


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

```
.border{ border-color:rgb(238, 236, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 236, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3065, 83.3885, 80.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 221) }
```

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

```
.background{ background-color: rgb(238,  
236, 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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