

Converting Colors

XYZ(41.0165, 48.8164, 7.8775)

Have a look what the booklet for
XYZ(41.0165, 48.8164, 7.8775)
contains.

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Color

**XYZ(40.9965, 48.7780,
7.8704)**

Conversions

Conversions Part 1

Format	Color
Hex	C2BF13
RGB	194, 191, 19
RGB Percent	76%, 75%, 7%
CMY	0.2392, 0.2510, 0.9254
CMYK	0.00, 0.02, 0.90, 0.24
HSL	59°, 82%, 42%
HSV	59°, 90%, 76%
XYZ	40.9965, 48.7780, 7.8704
YIQ	172.2890, 57.0000, -52.8560

Conversions

Conversions Part 2

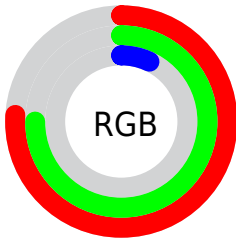
Format	Color
RYB	22, 194, 19
Decimal	12762899
CIELab	75.31, -15.81, 74.12
CIElCh	75, 75.791, 102.040
Yxy	48.7780, 0.4199, 0.4995
Android (android.graphics.Color)	4290952979 (0xFFC2BF13)
YUV	172.2890, -75.5715, 19.0405
Hunter-Lab	69.8412, -17.4435, 42.2075

Details

The XYZ color **40.9965, 48.7780, 7.8704** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **10.2934, 4.6077, 51.3854**, and the grayscale version is **39.7120, 41.7801, 45.4986**.

A 20% lighter version of the original color is **75.8953, 88.2969, 22.2754**, and **19.2418, 23.4112, 3.5047** is the 20% darker color. If you saturate the color by 10%, you get **40.8091, 48.5915, 7.2282**, and if you desaturate by 10%, it is **41.3090, 49.0208, 9.1536**.

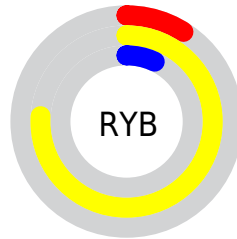
Distribution



Red (76%)

Green (75%)

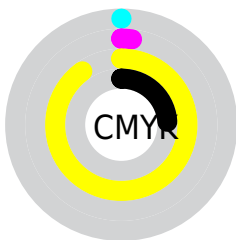
Blue (7%)



Red (9%)

Yellow (76%)

Blue (7%)

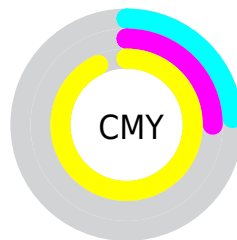


Cyan (0%)

Magenta (2%)

Yellow (90%)

Black (24%)



Cyan (24%)


Magenta (25%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9965, 48.7780, 7.8704 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 40.9965, 48.7780, 7.8704 by changing the saturation by 10% instead.


 40.9965, 48.7780,
7.8704


 40.9965, 48.7780,
7.8704


341.3688,
381.8677, 184.6084

 28.5040, 34.4434,
3.9255


 75.9533, 88.3616,
22.2459

 18.8483, 23.2344,
1.5846


 99.1484, 114.3795,
33.5137

 11.6641, 14.7667,
0.2798


 126.6416,
145.0605, 48.0595

 6.5859, 8.6558,
0.0000

 158.7985,
180.7892, 66.3020

 3.2485, 4.5174,
0.0000

 195.9843,
221.9498, 88.6595

 1.2865, 1.9670,
0.0000

 238.5644,

 0.1731, 0.5882,

268.9269, 115.5508

0.0000

286.9041,
322.1047, 147.3942

■ 0.0000, 0.0000,
0.0000

■ 40.9965, 48.7780,
7.8704

■ 40.9965, 48.7780,
7.8704

■ 40.8091, 48.5915,
7.2282

■ 41.3090, 49.0208,
9.1536

■ 41.7840, 49.3270,
11.2968

■ 42.4449, 49.7079,
14.4181

■ 43.3105, 50.1708,
18.6160

■ 44.3971, 50.7225,
23.9772

■ 45.7195, 51.3687,
30.5796

■ 47.2913, 52.1150,
38.4944

■ 49.1250, 52.9663,
47.7872

■ 51.2322, 53.9272,
58.5195

Harmonies

Analogous

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



55.1205, 48.7780, 8.4586



40.9965, 48.7780, 7.8704



30.6401, 48.7780, 14.0845

Triad

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



40.9965, 48.7780, 7.8704



29.1801, 48.7780, 122.8148



76.7920, 48.7780, 80.4471

Complementary

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



40.9965, 48.7780, 7.8704



10.2934, 4.6077, 51.3854

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.



66.7095, 48.7780, 132.8717



40.9965, 48.7780, 7.8704



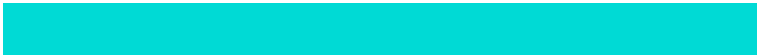
38.5842, 48.7780, 164.5940

Square

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



40.9965, 48.7780, 7.8704



24.7916, 48.7780, 70.7721



52.1764, 48.7780, 168.9903



77.7985, 48.7780, 38.6634

Rectangle

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



40.9965, 48.7780, 7.8704



26.5008, 48.7780, 24.6546



52.1764, 48.7780, 168.9903



74.2707, 48.7780, 97.8016

Sweetspot

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



40.9976, 48.7803, 7.8714



83.5760, 93.4242, 59.1339



22.6549, 12.0049, 2.0341



18.0989, 20.3614, 11.9289



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.



40.9976, 48.7803, 7.8714



73.9157, 87.9948, 13.0889



26.1346, 42.0974, 7.3648



10.8982, 11.7278, 10.7512



26.8375, 31.9609, 4.7546



1.1644, 1.3905, 0.2070

Inverse Universe

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



10.2934, 4.6077, 51.3854



17.6890, 7.1506, 92.9177



15.3009, 7.1091, 51.6043



9.5418, 9.7750, 12.6687



6.4320, 2.6205, 33.7234



0.2828, 0.1230, 1.4587

Previews

White Background



This preview shows how the XYZ color 40.9965, 48.7780, 7.8704 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 40.9965, 48.7780, 7.8704 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 40.9965, 48.7780, 7.8704

Background



This preview shows how black text looks on a background with the XYZ color 40.9965, 48.7780, 7.8704.

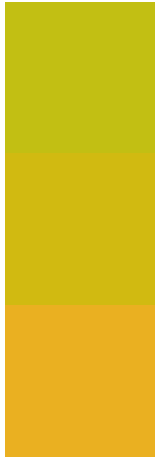


This preview shows how white text looks on a background with the XYZ color 40.9965, 48.7780,

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

40.9965, 48.7780, 7.8704

Protanopia

43.9546, 48.7136, 7.6163

Deuteranopia

49.7315, 48.6529, 8.2087



Tritanopia

50.7780, 48.7242, 56.0186

Trichromacy



Original Color

40.9965, 48.7780, 7.8704

Protanomaly

42.9942, 48.8475, 7.7347

Deuteranomaly

45.9469, 48.1917, 7.9789

Tritanomaly

45.1869, 47.9820, 27.3019

Monochromacy



Original Color

40.9965, 48.7780, 7.8704

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.0949, 43.2045, 22.8545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9965, 48.7780, 7.8704 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(194, 191, 19)` looks like.

```
.text, #text, p{  
    color:rgb(194, 191, 19)  
}
```

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(194, 191, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 191, 19) }
```

Border

The CSS property to change the border of an element to XYZ 40.9965, 48.7780, 7.8704 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(194, 191, 19) }
```


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

```
.border{ border-color:rgb(194, 191, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 191, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 191, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 191, 19);  
box-shadow:4px 4px 4px 4px rgb(194, 191,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9965, 48.7780, 7.8704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 191, 19) }
```

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

```
.background{ background-color: rgb(194,  
191, 19) }
```

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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