

Converting Colors

XYZ(41.2748, 51.6593, 5.6461)

Have a look what the booklet for
XYZ(41.2748, 51.6593, 5.6461)
contains.

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Color

**XYZ(41.6586, 51.7940,
7.8016)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC700
RGB	190, 199, 0
RGB Percent	75%, 78%, 0%
CMY	0.2549, 0.2196, 0.9999
CMYK	0.05, 0.00, 1.00, 0.22
HSL	63°, 100%, 39%
HSV	63°, 100%, 78%
XYZ	41.6586, 51.7940, 7.8016
YIQ	173.6230, 58.5150, -63.7970

Conversions

Conversions Part 2

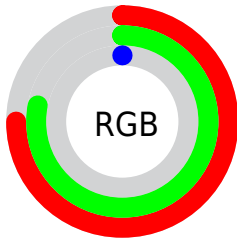
Format	Color
RYB	0, 199, 9
Decimal	12502784
CIELab	77.16, -21.74, 77.55
CIELCh	77, 80.537, 105.659
Yxy	51.7940, 0.4114, 0.5115
Android (android.graphics.Color)	4290692864 (0xFFBEC700)
YUV	173.6230, -85.5961, 14.3626
Hunter-Lab	71.9680, -22.6196, 43.9504

Details

The XYZ color **41.6586, 51.7940, 7.8016** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.4227, 4.1825, 54.2941**, and the grayscale version is **40.4453, 42.5516, 46.3387**.

A 20% lighter version of the original color is **76.7457, 92.4685, 21.9869**, and **19.6411, 25.1563, 3.8205** is the 20% darker color. If you saturate the color by 10%, you get **41.6594, 51.7962, 7.8020**, and if you desaturate by 10%, it is **42.0109, 51.9629, 8.4739**.

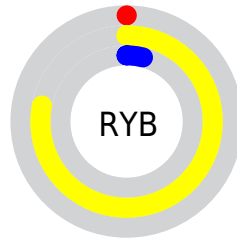
Distribution



Red (75%)

Green (78%)

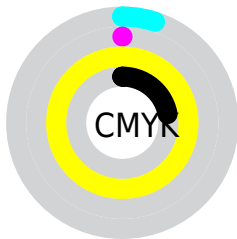
Blue (0%)



Red (0%)

Yellow (78%)

Blue (4%)

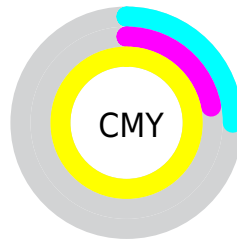


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (25%)

Magenta (22%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6586, 51.7940, 7.8016 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 41.6586, 51.7940, 7.8016 by changing the saturation by 10% instead.

41.6586, 51.7940,
7.8016

41.6586, 51.7940,
7.8016

344.0815,
393.6408, 184.0436

29.0240, 36.8409,
3.8823

76.9511, 92.8274,
22.1083

19.2434, 25.0843,
1.5610

100.3397,
119.6764, 33.3328

11.9513, 16.1399,
0.2628

128.0436,
151.2596, 47.8294

6.7825, 9.6232,
0.0000

160.4283,
187.9612, 66.0167

3.3716, 5.1499,
0.0000

197.8591,
230.1658, 88.3132

1.3532, 2.3355,
0.0000

240.7013,

0.2225, 0.7924,

278.2577, 115.1375

0.0000

289.3203,
332.6212, 146.9081

■ 0.0000, 0.0000,
0.0000

■ 41.6586, 51.7940,
7.8016

■ 41.6586, 51.7940,
7.8016

■ 41.6594, 51.7962,
7.8020

■ 42.0109, 51.9629,
8.4739

■ 42.4924, 52.1818,
9.8243

■ 43.1493, 52.4709,
12.0906

■ 44.0049, 52.8397,
15.3968

■ 45.0794, 53.2962,
19.8478

■ 46.3902, 53.8474,
25.5359

■ 47.9530, 54.4996,
32.5436

■ 49.7821, 55.2584,
40.9466

■ 51.8909, 56.1293,
50.8148

Harmonies

Analogous

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



56.9362, 51.7940, 7.6673



41.6586, 51.7940, 7.8016



30.9374, 51.7940, 15.4547

Triad

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



41.6586, 51.7940, 7.8016



31.2921, 51.7940, 141.4252



83.8646, 51.7940, 80.1253

Complementary

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



41.6586, 51.7940, 7.8016



10.4227, 4.1825, 54.2941

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.



73.5976, 51.7940, 138.8939



41.6586, 51.7940, 7.8016



42.2501, 51.7940, 184.9772

Square

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



41.6586, 51.7940, 7.8016



25.8605, 51.7940, 82.5308



57.6643, 51.7940, 183.8646



83.6134, 51.7940, 36.4567

Rectangle

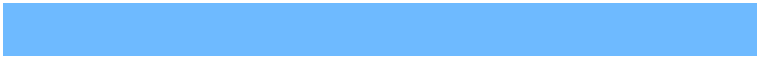
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6586, 51.7940, 7.8016



26.8719, 51.7940, 28.1579



57.6643, 51.7940, 183.8646



81.4490, 51.7940, 99.0845

Sweetspot

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



41.6598, 51.7964, 7.8027



83.8238, 95.3637, 56.3722



23.6270, 12.2874, 1.1271



17.6812, 20.3032, 10.8901



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.



41.6598, 51.7964, 7.8027



72.8805, 90.6563, 13.6572



24.9270, 43.1703, 7.0196



11.4746, 12.3916, 11.3498



26.8069, 33.3148, 5.0175



1.2843, 1.5852, 0.2383

Inverse Universe

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



10.4227, 4.1825, 54.2941



18.1953, 7.2949, 95.0568



16.2710, 7.1975, 54.5678



10.1003, 10.3100, 13.3752



6.7213, 2.6992, 34.9111



0.3341, 0.1360, 1.6538

Previews

White Background



This preview shows how the XYZ color 41.6586, 51.7940, 7.8016 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 41.6586, 51.7940, 7.8016 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 41.6586, 51.7940, 7.8016

Background



This preview shows how black text looks on a background with the XYZ color 41.6586, 51.7940, 7.8016.



This preview shows how white text looks on a background with the XYZ color 41.6586, 51.7940,

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

41.6586, 51.7940, 7.8016

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

52.7198, 51.6773, 8.5626



Tritanopia

52.5596, 51.6588, 61.2338

Trichromacy



Original Color

41.6586, 51.7940, 7.8016

Protanomaly

44.7454, 51.7054, 7.6218

Deuteranomaly

48.2337, 51.5465, 8.0691

Tritanomaly

45.7974, 50.5013, 27.4126

Monochromacy



Original Color

41.6586, 51.7940, 7.8016

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6251, 44.7180, 21.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6586, 51.7940, 7.8016 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(190, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 199, 0)  
}
```

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(190, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.6586, 51.7940, 7.8016 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(190, 199, 0) }
```


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

```
.border{ border-color:rgb(190, 199, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 199, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6586, 51.7940, 7.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 199, 0) }
```

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

```
.background{ background-color: rgb(190,  
199, 0) }
```

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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