

Converting Colors

XYZ(41.7657, 50.1426, 8.7596)

Have a look what the booklet for
XYZ(41.7657, 50.1426, 8.7596)
contains.

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Color

**XYZ(41.7872, 50.1518,
8.7742)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C21F
RGB	194, 194, 31
RGB Percent	76%, 76%, 12%
CMY	0.2392, 0.2392, 0.8784
CMYK	0.00, 0.00, 0.84, 0.24
HSL	60°, 72%, 44%
HSV	60°, 84%, 76%
XYZ	41.7872, 50.1518, 8.7742
YIQ	175.4180, 52.3230, -50.6930

Conversions

Conversions Part 2

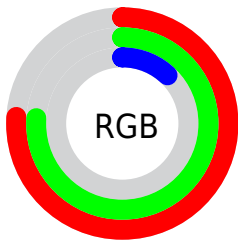
Format	Color
R_{YB}	31, 194, 31
Decimal	12763679
CIE _{Lab}	76.16, -17.06, 72.51
CIE _{LCh}	76, 74.493, 103.237
Yxy	50.1518, 0.4149, 0.4980
Android (android.graphics.Color)	4290953759 (0xFFC2C21F)
YUV	175.4180, -71.1981, 16.2964
Hunter-Lab	70.8179, -18.6047, 42.2266

Details

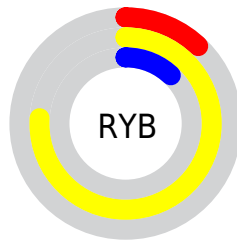
The XYZ color **41.7872, 50.1518, 8.7742** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed yellow. A complement of this color would be **10.7940, 5.1673, 51.4705**, and the grayscale version is **41.3049, 43.4559, 47.3235**.

A 20% lighter version of the original color is **77.0790, 90.2502, 23.9472**, and **19.6782, 24.2840, 3.6501** is the 20% darker color. If you saturate the color by 10%, you get **41.6047, 50.0807, 7.8092**, and if you desaturate by 10%, it is **42.1257, 50.2891, 10.5507**.

Distribution



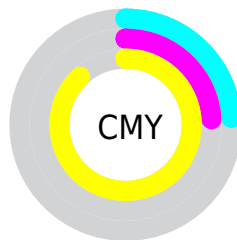
- Red (76%)
- Green (76%)
- Blue (12%)



- Red (12%)
- Yellow (76%)
- Blue (12%)



- Cyan (0%)
- Magenta (0%)
- Yellow (84%)
- Black (24%)



- Cyan (24%)
- Magenta (24%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7872, 50.1518, 8.7742 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 41.7872, 50.1518, 8.7742 by changing the saturation by 10% instead.

41.7872, 50.1518,
8.7742

41.7872, 50.1518,
8.7742

344.6067,
387.2593, 191.8400

29.1251, 35.5340,
4.4994

77.1446, 90.3997,
24.0335

19.3202, 24.0745,
1.9031

100.5707,
116.7987, 35.8551

12.0073, 15.3889,
0.4947

128.3154,
147.8935, 51.0294

6.8209, 9.0928,
0.0000

160.7442,
184.0686, 69.9749

3.3957, 4.8018,
0.0000

198.2223,
225.7083, 93.1102

1.3663, 2.1314,
0.0000

241.1152,

0.2320, 0.6822,

273.1971, 120.8538

0.0000

289.7882,
326.9193, 153.6242

■ 0.0000, 0.0000,
0.0000

■ 41.7872, 50.1518,
8.7742

■ 41.7872, 50.1518,
8.7742

■ 41.6047, 50.0807,
7.8092

■ 42.1257, 50.2891,
10.5507

■ 41.5406, 50.0550,
7.4722

■ 42.6408, 50.4952,
13.2622

■ 43.3535, 50.7803,
17.0144

■ 44.2811, 51.1513,
21.8980

■ 45.4389, 51.6145,
27.9940

■ 46.8409, 52.1753,
35.3760

■ 48.5000, 52.8390,
44.1115

■ 50.4281, 53.6102,
54.2636

■ 52.6364, 54.4935,
65.8913

Harmonies

Analogous

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



55.8277, 50.1518, 9.1406



41.7872, 50.1518, 8.7742



31.5568, 50.1518, 15.5899

Triad

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



41.7872, 50.1518, 8.7742



30.6789, 50.1518, 125.9198



78.2308, 50.1518, 79.8864

Complementary

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



41.7872, 50.1518, 8.7742



10.7940, 5.1673, 51.4705

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.



68.4982, 50.1518, 131.8418



41.7872, 50.1518, 8.7742



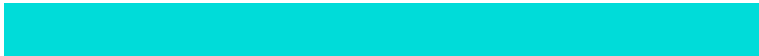
40.3444, 50.1518, 166.0915

Square

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



41.7872, 50.1518, 8.7742



26.0391, 50.1518, 74.1480



54.0757, 50.1518, 168.6719



78.8264, 50.1518, 38.8412

Rectangle

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



41.7872, 50.1518, 8.7742



27.5094, 50.1518, 26.8108



54.0757, 50.1518, 168.6719



75.8442, 50.1518, 97.0037

Sweetspot

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



41.7883, 50.1541, 8.7752



84.4811, 94.3717, 62.0993



22.9872, 12.5495, 2.5077



18.2946, 20.5841, 12.5152



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.



41.7883, 50.1541, 8.7752



75.2565, 90.6816, 13.5369



26.2873, 42.1630, 8.0498



10.9134, 11.7584, 10.7563



27.3101, 32.9077, 4.9124



1.1800, 1.4219, 0.2123

Inverse Universe

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



10.7940, 5.1673, 51.4705



17.6422, 7.0569, 92.9021



16.9753, 8.3539, 51.7598



9.5284, 9.7480, 12.6642



6.4023, 2.5609, 33.7135



0.2766, 0.1107, 1.4567

Previews

White Background



This preview shows how the XYZ color 41.7872, 50.1518, 8.7742 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 41.7872, 50.1518, 8.7742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

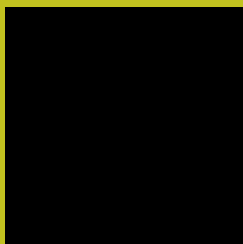
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7872, 50.1518, 8.7742

Background



This preview shows how black text looks on a background with the XYZ color 41.7872, 50.1518, 8.7742.



This preview shows how white text looks on a background with the XYZ color 41.7872, 50.1518,

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

41.7872, 50.1518, 8.7742

Protanopia

45.0690, 49.9040, 8.4195

Deuteranopia

50.9127, 49.8338, 9.0333



Tritanopia

52.1063, 50.2533, 58.5833

Trichromacy



Original Color

41.7872, 50.1518, 8.7742

Protanomaly

43.8246, 49.8998, 8.5501

Deuteranomaly

47.2932, 49.7867, 8.8674

Tritanomaly

46.2892, 49.4236, 30.0217

Monochromacy



Original Color

41.7872, 50.1518, 8.7742

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.5945, 44.8310, 25.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7872, 50.1518, 8.7742 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, 194, 31)` looks like.

```
.text, #text, p{  
    color:rgb(194, 194, 31)  
}
```

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, 194, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 194, 31) }
```

Border

The CSS property to change the border of an element to XYZ 41.7872, 50.1518, 8.7742 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, 194, 31) }
```


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

```
.border{ border-color:rgb(194, 194, 31) }
```

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

Here you see how a box with a 4 pixel rgb(194, 194, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 194, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 194, 31);  
box-shadow:4px 4px 4px 4px rgb(194, 194,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7872, 50.1518, 8.7742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 194, 31) }
```

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

```
.background{ background-color: rgb(194,  
194, 31) }
```

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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