

Converting Colors

XYZ(43.9796, 50.9851, 7.5252)

Have a look what the booklet for
XYZ(43.9796, 50.9851, 7.5252)
contains.

XYZ(43.9718, 50.9773, 7.5220)	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(43.9718, 50.9773,
7.5220)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC100
RGB	204, 193, 0
RGB Percent	80%, 76%, 0%
CMY	0.2000, 0.2431, 0.9999
CMYK	0.00, 0.05, 1.00, 0.20
HSL	57°, 100%, 40%
HSV	57°, 100%, 80%
XYZ	43.9718, 50.9773, 7.5220
YIQ	174.2870, 68.5090, -57.6910

Conversions

Conversions Part 2

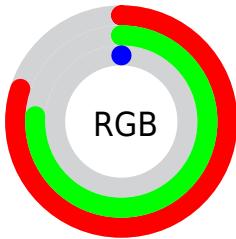
Format	Color
R _Y B	12, 204, 0
Decimal	13418752
CIE Lab	76.67, -12.71, 77.70
CIE LCh	77, 78.736, 99.291
Yxy	50.9773, 0.4291, 0.4975
Android (android.graphics.Color)	4291608832 (0xFFCCC100)
YUV	174.2870, -85.9235, 26.0583
Hunter-Lab	71.3984, -15.0152, 43.7325

Details

The XYZ color **43.9718, 50.9773, 7.5220** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **11.0191, 4.5994, 57.4333**, and the grayscale version is **40.7860, 42.9101, 46.7290**.

A 20% lighter version of the original color is **76.6770, 89.6359, 21.4438**, and **21.0551, 24.7759, 3.6725** is the 20% darker color. If you saturate the color by 10%, you get **43.9726, 50.9792, 7.5224**, and if you desaturate by 10%, it is **44.3469, 51.5196, 8.2886**.

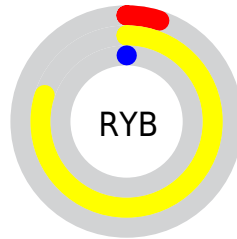
Distribution



Red (80%)

Green (76%)

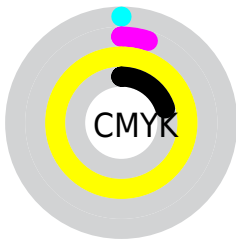
Blue (0%)



Red (5%)

Yellow (80%)

Blue (0%)

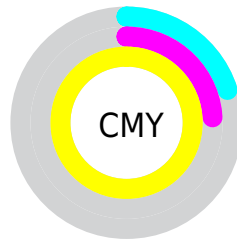


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9718, 50.9773, 7.5220 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 43.9718, 50.9773, 7.5220 by changing the saturation by 10% instead.

43.9718, 50.9773,
7.5220

43.9718, 50.9773,
7.5220

353.4473,
390.4756, 181.7255

30.8462, 36.1905,
3.7073

80.4219, 91.6212,
21.5464

20.6330, 24.5814,
1.4662

104.4771,
118.2472, 32.5931

12.9669, 15.7655,
0.1925

132.9062,
149.5883, 46.8876

7.4826, 9.3583,
0.0000

166.0745,
186.0290, 64.8485

3.8147, 4.9756,
0.0000

204.3474,
227.9537, 86.8941

1.5978, 2.2330,
0.0000

248.0903,

0.3910, 0.7379,

275.7468, 113.4431

0.0000

297.6685,
329.7926, 144.9141

■ 0.0000, 0.0000,
0.0000

■ 43.9718, 50.9773,
7.5220

■ 43.9718, 50.9773,
7.5220

■ 43.9726, 50.9792,
7.5224

■ 44.3469, 51.5196,
8.2886

■ 44.8597, 52.1181,
9.7768

■ 45.5585, 52.7937,
12.2350

■ 46.4682, 53.5567,
15.7954

■ 47.6101, 54.4155,
20.5694

■ 49.0029, 55.3775,
26.6552

■ 50.6631, 56.4494,
34.1406

■ 52.6062, 57.6374,
43.1061

■ 54.8461, 58.9471,
53.6258

Harmonies

Analogous

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



59.3076, 50.9773, 8.6928



43.9718, 50.9773, 7.5220



32.4779, 50.9773, 13.1385

Triad

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



43.9718, 50.9773, 7.5220



29.4874, 50.9773, 125.3780



80.5008, 50.9773, 89.8751

Complementary

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



43.9718, 50.9773, 7.5220



11.0191, 4.5994, 57.4333

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.



68.9572, 50.9773, 146.3202



43.9718, 50.9773, 7.5220



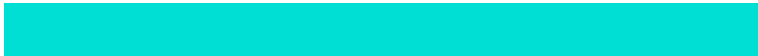
39.0098, 50.9773, 173.0880

Square

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



43.9718, 50.9773, 7.5220



25.3190, 50.9773, 69.8371



53.2275, 50.9773, 182.2645



82.5883, 50.9773, 43.2826

Rectangle

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



43.9718, 50.9773, 7.5220



27.7561, 50.9773, 23.2604



53.2275, 50.9773, 182.2645



77.4995, 50.9773, 108.8442

Sweetspot

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



43.9730, 50.9797, 7.5230



83.7849, 93.4120, 55.9975



24.9786, 12.8684, 1.5694



17.6718, 19.8275, 10.7988



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.



43.9730, 50.9797, 7.5230



72.7713, 84.3226, 12.4404



28.7433, 46.8716, 7.5328



12.1000, 12.9890, 11.9488



27.6995, 32.1320, 4.7422



1.4452, 1.6900, 0.2500

Inverse Universe

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



11.0191, 4.5994, 57.4333



18.2036, 7.5272, 95.1012



14.9627, 6.4549, 57.5836



10.6495, 10.9394, 14.1206



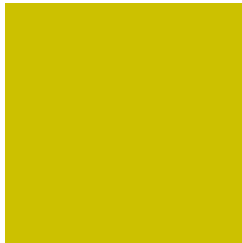
6.9570, 2.9379, 36.1567



0.3763, 0.1863, 1.8711

Previews

White Background



This preview shows how the XYZ color 43.9718, 50.9773, 7.5220 looks on a white background.

Color Contrast Check

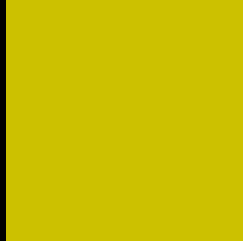
Large Text (above 18pt) WCAG AA × Fail

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 43.9718, 50.9773, 7.5220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

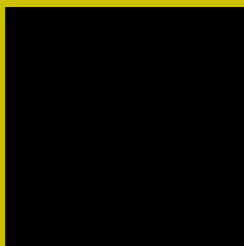
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.9718, 50.9773, 7.5220

Background



This preview shows how black text looks on a background with the XYZ color 43.9718, 50.9773, 7.5220.

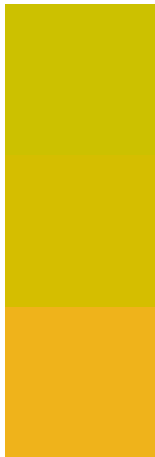


This preview shows how white text looks on a background with the XYZ color 43.9718, 50.9773,

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

43.9718, 50.9773, 7.5220

Protanopia

45.8540, 50.9730, 7.4220

Deuteranopia

51.9145, 50.6701, 8.0810



Tritanopia

54.0646, 50.6894, 57.3866

Trichromacy



Original Color

43.9718, 50.9773, 7.5220

Protanomaly

45.2091, 50.9632, 7.4541

Deuteranomaly

48.6057, 50.4902, 7.7141

Tritanomaly

47.8670, 49.7081, 25.8106

Monochromacy



Original Color

43.9718, 50.9773, 7.5220

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.4007, 44.5097, 21.5535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9718, 50.9773, 7.5220 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(204, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 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(204, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.9718, 50.9773, 7.5220 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(204, 193, 0) }
```


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

```
.border{ border-color:rgb(204, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9718, 50.9773, 7.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 0) }
```

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

```
.background{ background-color: rgb(204,  
193, 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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