

Converting Colors

XYZ(22.2195, 30.4290, 50.0497)

Have a look what the booklet for
XYZ(22.2195, 30.4290, 50.0497)
contains.

XYZ(22.2195, 30.4290, 50.0497)	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(22.2195, 30.4290,
50.0497)**

Conversions

Conversions Part 1

Format	Color
Hex	09A5B8
RGB	9, 165, 184
RGB Percent	4%, 65%, 72%
CMY	0.9646, 0.3529, 0.2784
CMYK	0.95, 0.10, 0.00, 0.28
HSL	187°, 91%, 38%
HSV	187°, 95%, 72%
XYZ	22.2195, 30.4290, 50.0497
YIQ	120.5220, -99.0750, -27.1630

Conversions

Conversions Part 2

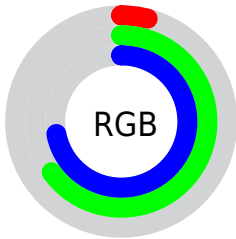
Format	Color
RYB	9, 91, 184
Decimal	632248
CIELab	62.02, -28.29, -19.83
CIELCh	62, 34.549, 215.027
Yxy	30.4290, 0.2164, 0.2963
Android (android.graphics.Color)	4278822328 (0xFF09A5B8)
YUV	120.5220, 31.2947, -97.8048
Hunter-Lab	55.1625, -24.6344, -15.1809




Details

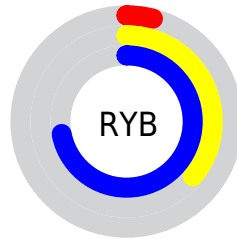
The XYZ color **22.2195, 30.4290, 50.0497** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.2330, 11.0425, 1.3245**, and the grayscale version is **17.9491, 18.8839, 20.5646**.




A 20% lighter version of the original color is **46.4670, 60.1303, 91.5953**, and **10.0019, 13.4489, 23.5415** is the 20% darker color. If you saturate the color by 10%, you get **21.9311, 30.0192, 49.9864**, and if you desaturate by 10%, it is **22.9342, 31.3372, 50.1879**.

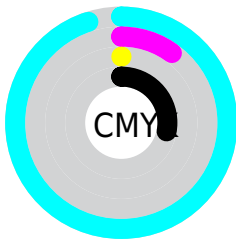
Distribution







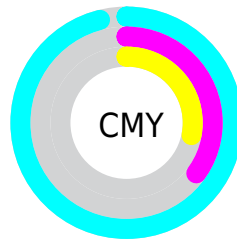
-  Red (4%)
-  Green (65%)
-  Blue (72%)






-  Red (4%)
-  Yellow (36%)
-  Blue (72%)



-  Cyan (95%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (28%)



-  Cyan (96%)
-  Magenta (35%)
-  Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2195, 30.4290, 50.0497 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 22.2195, 30.4290, 50.0497 by changing the saturation by 10% instead.

■ 22.2195, 30.4290,
50.0497

■ 22.2195, 30.4290,
50.0497

256.3013,
303.8990, 403.6009

■ 14.1358, 20.1644,
35.0814

■ 46.5847, 60.3400,
91.6456

■ 8.2975, 12.5146,
23.4416

■ 63.5968, 80.7551,
119.1103

■ 4.3393, 7.0952,
14.7115

■ 84.3159, 105.3227,
151.5775

■ 1.8958, 3.5217,
8.4728

■ 109.1071,
134.4269, 189.4658

■ 0.5744, 1.4098,
4.3069

■ 138.3359,
168.4523, 233.1938

■ 0.0000, 0.2239,
1.7952

172.3676,

■ 0.0000, 0.0000,

207.7831, 283.1799

0.4248

211.5676,
252.8039, 339.8428

■ 0.0000, 0.0000,
0.0000

■ 22.2195, 30.4290,
50.0497

■ 22.2195, 30.4290,
50.0497

■ 21.9311, 30.0192,
49.9864

■ 22.9342, 31.3372,
50.1879

■ 23.9588, 32.4130,
50.3416

■ 25.3438, 33.6831,
50.5137

■ 27.1296, 35.1682,
50.7062

■ 29.3512, 36.8865,
50.9208

■ 32.0399, 38.8541,
51.1589

■ 35.2239, 41.0856,
51.4218

■ 38.9291, 43.5945,
51.7108

■ 43.1799, 46.3933,
52.0270

Harmonies

Analogous

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



20.9203, 30.4290, 35.4194



22.2195, 30.4290, 50.0497



25.3194, 30.4290, 62.0787

Triad

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



22.2195, 30.4290, 50.0497



37.7778, 30.4290, 45.1207



28.1479, 30.4290, 13.6535

Complementary

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



22.2195, 30.4290, 50.0497



20.2330, 11.0425, 1.3245

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.



32.8507, 30.4290, 14.9605



22.2195, 30.4290, 50.0497



38.7408, 30.4290, 30.9453

Square

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



22.2195, 30.4290, 50.0497



34.3454, 30.4290, 58.7410



36.8523, 30.4290, 20.5339



24.1016, 30.4290, 16.3159

Rectangle

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



22.2195, 30.4290, 50.0497



28.1560, 30.4290, 65.6255



36.8523, 30.4290, 20.5339



29.7015, 30.4290, 13.6524

Sweetspot

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



22.2205, 30.4301, 50.0504



61.2010, 72.6391, 92.9997



17.4463, 34.4167, 6.7324



12.6794, 15.2969, 20.0059



88.6918, 93.3107, 101.6153



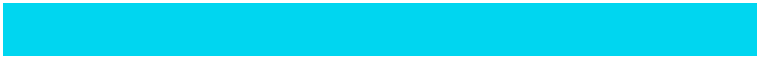
17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2205, 30.4301, 50.0504



39.6472, 54.2006, 90.5767



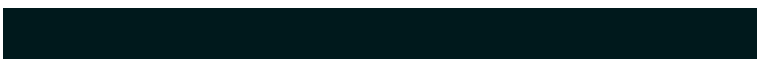
11.5625, 9.1142, 46.4978



9.1812, 10.0395, 11.5334



15.1461, 20.7518, 34.4603



0.5579, 0.7795, 1.2228

Inverse Universe

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



26.6572, 13.1033, 36.7225



47.9291, 23.3111, 65.3721



25.8359, 22.2483, 3.1921



9.3378, 9.1455, 11.1262



18.2587, 8.8772, 25.0469



0.6558, 0.3178, 0.9467

Previews

White Background



This preview shows how the XYZ color 22.2195, 30.4290, 50.0497 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 22.2195, 30.4290, 50.0497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

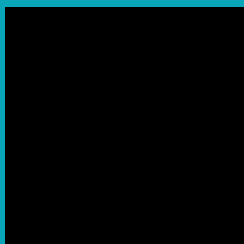
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

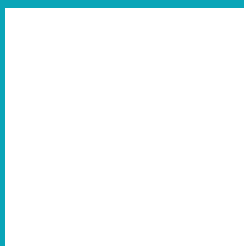
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2195, 30.4290, 50.0497

Background



This preview shows how black text looks on a background with the XYZ color 22.2195, 30.4290, 50.0497.

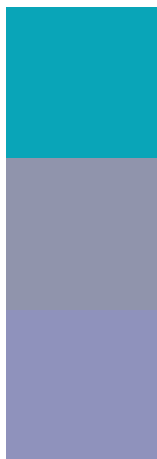


This preview shows how white text looks on a background with the XYZ color 22.2195, 30.4290,

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

22.2195, 30.4290, 50.0497

Protanopia

29.5379, 30.0877, 43.2804

Deuteranopia

30.6837, 30.0282, 51.7558



Tritanopia

21.7729, 30.5271, 47.3926

Trichromacy



Original Color

22.2195, 30.4290, 50.0497

Protanomaly

24.1114, 28.6787, 45.3390

Deuteranomaly

24.9770, 28.7500, 51.2466

Tritanomaly

22.0143, 30.6280, 48.4676

Monochromacy



Original Color

22.2195, 30.4290, 50.0497

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.2880, 21.6104, 29.6456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2195, 30.4290, 50.0497 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(9, 165, 184)` looks like.

```
.text, #text, p{  
    color:rgb(9, 165, 184)  
}
```

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(9, 165, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 165, 184) }
```

Border

The CSS property to change the border of an element to XYZ 22.2195, 30.4290, 50.0497 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(9, 165, 184) }
```


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

```
.border{ border-color:rgb(9, 165, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 165, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 165, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 165, 184);  
box-shadow:4px 4px 4px 4px rgb(9, 165,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2195, 30.4290, 50.0497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 165, 184) }
```

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

```
.background{ background-color: rgb(9, 165,  
184) }
```

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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