

Converting Colors

XYZ(22.2338, 28.1233, 49.7431)

Have a look what the booklet for
XYZ(22.2338, 28.1233, 49.7431)
contains.

XYZ(22.1711, 28.0784, 49.5985)	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(22.1711, 28.0784,
49.5985)**

Conversions

Conversions Part 1

Format	Color
Hex	389CB8
RGB	56, 156, 184
RGB Percent	22%, 61%, 72%
CMY	0.7804, 0.3882, 0.2784
CMYK	0.70, 0.15, 0.00, 0.28
HSL	193°, 53%, 47%
HSV	193°, 70%, 72%
XYZ	22.1711, 28.0784, 49.5985
YIQ	129.2920, -68.5880, -12.4920

Conversions

Conversions Part 2

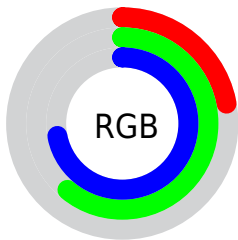
Format	Color
RYB	56, 112, 184
Decimal	3710136
CIELab	59.96, -19.62, -22.92
CIElCh	60, 30.174, 229.434
Yxy	28.0784, 0.2220, 0.2812
Android (android.graphics.Color)	4281900216 (0xFF389CB8)
YUV	129.2920, 26.9710, -64.2771
Hunter-Lab	52.9891, -18.0448, -18.4039

Details

The XYZ color **22.1711, 28.0784, 49.5985** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.6523, 16.8178, 5.7420**, and the grayscale version is **20.8954, 21.9835, 23.9401**.

A 20% lighter version of the original color is **46.6302, 56.8017, 90.9442**, and **9.1483, 11.7418, 23.2570** is the 20% darker color. If you saturate the color by 10%, you get **20.6613, 26.3145, 49.3381**, and if you desaturate by 10%, it is **24.0830, 30.0839, 49.8854**.

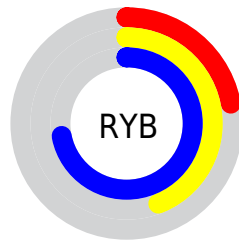
Distribution



Red (22%)

Green (61%)

Blue (72%)



Red (22%)

Yellow (44%)

Blue (72%)

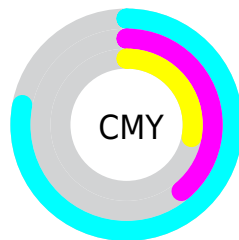


Cyan (70%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (78%)

Magenta (39%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1711, 28.0784, 49.5985 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 22.1711, 28.0784, 49.5985 by changing the saturation by 10% instead.

■ 22.1711, 28.0784,
49.5985

■ 22.1711, 28.0784,
49.5985

256.0541,
292.8413, 401.7837

■ 14.1000, 18.3848,
34.7255

■ 46.5054, 56.6096,
90.9699

■ 8.2724, 11.2266,
23.1697

■ 63.4992, 76.2159,
118.3054

■ 4.3230, 6.2194,
14.5124

■ 84.1981, 99.8953,
150.6321

■ 1.8864, 2.9790,
8.3351

■ 108.9672,
128.0321, 188.3687

■ 0.5689, 1.1208,
4.2193

■ 138.1720,
161.0107, 231.9336

■ 0.0000, 0.0000,
1.7464

172.1779,

■ 0.0000, 0.0000,

199.2155, 281.7454

0.3922

211.3501,
243.0309, 338.2226

■ 0.0000, 0.0000,
0.0000

■ 22.1711, 28.0784,
49.5985

■ 22.1711, 28.0784,
49.5985

■ 20.6613, 26.3145,
49.3381

■ 24.0830, 30.0839,
49.8854

■ 19.5069, 24.7661,
49.1001

■ 26.4315, 32.3476,
50.1985

■ 18.6242, 23.3904,
48.8811

■ 29.2506, 34.8876,
50.5402

■ 18.5873, 23.3317,
48.8717

■ 32.5699, 37.7197,
50.9119

■ 36.4165, 40.8582,
51.3150

■ 40.8156, 44.3161,
51.7506

■ 45.7907, 48.1061,
52.2199

■ 51.3639, 52.2397,
52.7240

■ 57.5561, 56.7280,
53.2640

Harmonies

Analogous

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



20.3168, 28.0784, 38.1560



22.1711, 28.0784, 49.5985



25.3574, 28.0784, 56.4056

Triad

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



22.1711, 28.0784, 49.5985



34.6180, 28.0784, 34.6136



24.3073, 28.0784, 14.6612

Complementary

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



22.1711, 28.0784, 49.5985



23.6523, 16.8178, 5.7420

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.



28.0637, 28.0784, 14.1492



22.1711, 28.0784, 49.5985



34.2680, 28.0784, 24.0671

Square

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



22.1711, 28.0784, 49.5985



32.6943, 28.0784, 46.4768



31.7794, 28.0784, 17.1657



21.4659, 28.0784, 18.7865

Rectangle

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



22.1711, 28.0784, 49.5985



27.9154, 28.0784, 56.5148



31.7794, 28.0784, 17.1657



25.4965, 28.0784, 14.1059

Sweetspot

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



22.1720, 28.0794, 49.5992



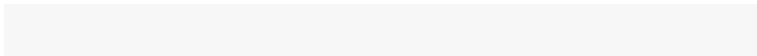
64.6933, 73.0052, 92.8863



20.3621, 35.7584, 14.1631



13.5247, 15.3968, 19.9807



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.



22.1720, 28.0794, 49.5992



36.3685, 46.3004, 89.2247



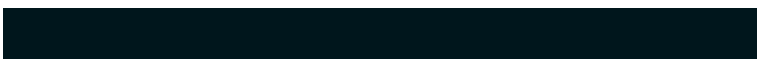
14.1340, 12.0034, 46.9198



9.0955, 9.8682, 11.5048



12.8638, 16.1873, 33.6995



0.4955, 0.6546, 1.2020

Inverse Universe

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



27.1829, 15.4200, 32.9972



46.6019, 24.0351, 54.5145



31.0300, 31.5732, 8.2012



9.2946, 9.1282, 10.8985



17.1067, 8.4165, 18.9807



0.6242, 0.3052, 0.7807

Previews

White Background



This preview shows how the XYZ color 22.1711, 28.0784, 49.5985 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1711, 28.0784, 49.5985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

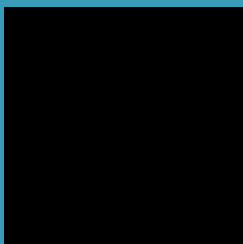
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

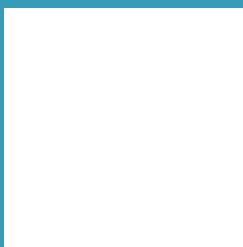
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1711, 28.0784, 49.5985

Background



This preview shows how black text looks on a background with the XYZ color 22.1711, 28.0784, 49.5985.

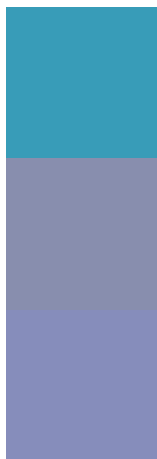


This preview shows how white text looks on a background with the XYZ color 22.1711, 28.0784,

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

22.1711, 28.0784, 49.5985

Protanopia

27.4663, 27.6362, 43.9311

Deuteranopia

28.3260, 27.7059, 50.8685



Tritanopia

20.7965, 28.0224, 42.8408

Trichromacy



Original Color

22.1711, 28.0784, 49.5985

Protanomaly

24.5330, 27.2076, 46.0780

Deuteranomaly

25.0857, 27.1671, 50.3760

Tritanomaly

21.2587, 27.9523, 45.3492

Monochromacy



Original Color

22.1711, 28.0784, 49.5985

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.1369, 23.4599, 31.9007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1711, 28.0784, 49.5985 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(56, 156, 184)` looks like.

```
.text, #text, p{  
    color:rgb(56, 156, 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(56, 156, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 156, 184) }
```

Border

The CSS property to change the border of an element to XYZ 22.1711, 28.0784, 49.5985 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(56, 156, 184) }
```


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

```
.border{ border-color:rgb(56, 156, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 156, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 156, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 156, 184);  
box-shadow:4px 4px 4px 4px rgb(56, 156,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1711, 28.0784, 49.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 156, 184) }
```

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

```
.background{ background-color: rgb(56, 156,  
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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