

Converting Colors

XYZ(22.1304, 27.9468, 50.6830)

Have a look what the booklet for
XYZ(22.1304, 27.9468, 50.6830)
contains.

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Color

**XYZ(22.1676, 28.0522,
50.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	349CBA
RGB	52, 156, 186
RGB Percent	20%, 61%, 73%
CMY	0.7960, 0.3882, 0.2706
CMYK	0.72, 0.16, 0.00, 0.27
HSL	193°, 56%, 47%
HSV	193°, 72%, 73%
XYZ	22.1676, 28.0522, 50.7006
YIQ	128.3240, -71.6140, -12.7180

Conversions

Conversions Part 2

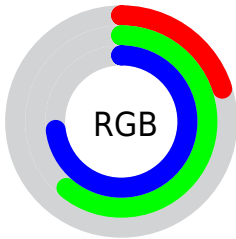
Format	Color
R_{YB}	52, 111, 186
Decimal	3447994
CIE _{Lab}	59.94, -19.54, -24.09
CIE _{LCh}	60, 31.019, 230.962
Yxy	28.0522, 0.2197, 0.2780
Android (android.graphics.Color)	4281638074 (0xFF349CBA)
YUV	128.3240, 28.4343, -66.9361
Hunter-Lab	52.9643, -17.9785, -19.6809

Details

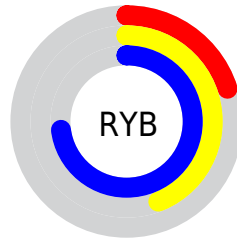
The XYZ color **22.1676, 28.0522, 50.7006** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.8879, 16.7231, 5.2188**, and the grayscale version is **20.5537, 21.6241, 23.5486**.

A 20% lighter version of the original color is **46.5237, 56.7123, 92.4989**, and **9.2852, 11.7966, 23.9779** is the 20% darker color. If you saturate the color by 10%, you get **20.7054, 26.2792, 50.4360**, and if you desaturate by 10%, it is **24.0327, 30.0695, 50.9922**.

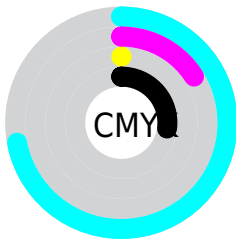
Distribution



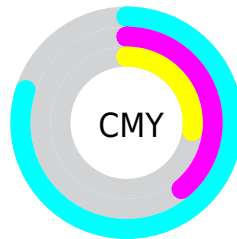
- Red (20%)
- Green (61%)
- Blue (73%)



- Red (20%)
- Yellow (44%)
- Blue (73%)



- Cyan (72%)
- Magenta (16%)
- Yellow (0%)
- Black (27%)



- Cyan (80%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1676, 28.0522, 50.7006 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 22.1676, 28.0522, 50.7006 by changing the saturation by 10% instead.

■ 22.1676, 28.0522,
50.7006

■ 22.1676, 28.0522,
50.7006

256.0362,
292.7163, 406.2127

■ 14.0974, 18.3650,
35.5953

■ 46.4996, 56.5678,
92.6190

■ 8.2706, 11.2124,
23.8346

■ 63.4922, 76.1649,
120.2692

■ 4.3218, 6.2099,
14.9999

■ 84.1896, 99.8342,
152.9382

■ 1.8858, 2.9731,
8.6727

■ 108.9571,
127.9600, 191.0444

■ 0.5685, 1.1177,
4.4344

■ 138.1602,
160.9267, 235.0064

■ 0.0000, 0.0000,
1.8666

172.1642,

■ 0.0000, 0.0000,

199.1188, 285.2428

0.4713

211.3344,
242.9205, 342.1720

■ 0.0000, 0.0000,
0.0000

■ 22.1676, 28.0522,
50.7006

■ 22.1676, 28.0522,
50.7006

■ 20.7054, 26.2792,
50.4360

■ 24.0327, 30.0695,
50.9922

■ 19.5957, 24.7228,
50.1940

■ 26.3377, 32.3489,
51.3107

■ 18.8906, 23.6004,
50.0146

■ 29.1185, 34.9099,
51.6585

■ 32.4061, 37.7687,
52.0370

■ 36.2292, 40.9405,
52.4477

■ 40.6139, 44.4391,
52.8919

■ 45.5849, 48.2775,
53.3708

■ 51.1652, 52.4679,
53.8855

■ 57.3765, 57.0218,
54.4371

Harmonies

Analogous

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



20.1919, 28.0522, 38.9878



22.1676, 28.0522, 50.7006



25.4896, 28.0522, 57.3928

Triad

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



22.1676, 28.0522, 50.7006



34.8718, 28.0522, 34.0830



24.0417, 28.0522, 14.4254

Complementary

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



22.1676, 28.0522, 50.7006



23.8879, 16.7231, 5.2188

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.



27.8714, 28.0522, 13.7290



22.1676, 28.0522, 50.7006



34.3866, 28.0522, 23.4170

Square

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



22.1676, 28.0522, 50.7006



32.9949, 28.0522, 46.3598



31.7279, 28.0522, 16.5941



21.1975, 28.0522, 18.8093

Rectangle

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



22.1676, 28.0522, 50.7006



28.1304, 28.0522, 57.2002



31.7279, 28.0522, 16.5941



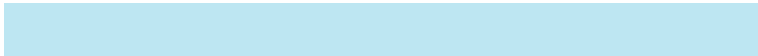
25.2471, 28.0522, 13.8034

Sweetspot

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



22.1685, 28.0532, 50.7013



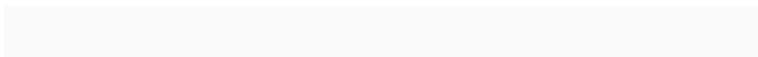
65.4251, 74.0097, 95.0384



20.4625, 36.4432, 13.7484



13.9725, 15.9420, 20.8833



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.1685, 28.0532, 50.7013



36.3729, 46.0672, 91.1762



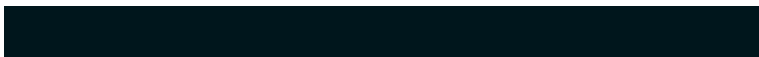
13.9336, 11.5834, 47.9563



9.0915, 9.8603, 11.5035



12.7667, 15.9930, 33.6672



0.4927, 0.6491, 1.2011

Inverse Universe

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



27.4793, 15.2964, 32.9577



47.1925, 24.0284, 54.1409



31.4656, 31.8786, 7.7447



9.2926, 9.1274, 10.8880



17.0577, 8.3968, 18.7225



0.6229, 0.3046, 0.7734

Previews

White Background



This preview shows how the XYZ color 22.1676, 28.0522, 50.7006 looks on a white background.

Color Contrast Check

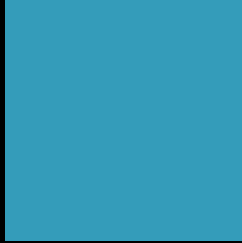
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1676, 28.0522, 50.7006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

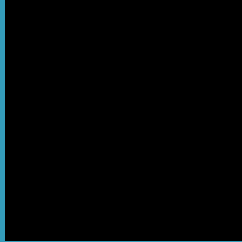
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1676, 28.0522, 50.7006

Background



This preview shows how black text looks on a background with the XYZ color 22.1676, 28.0522, 50.7006.

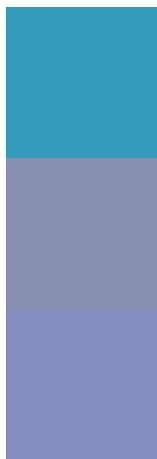


This preview shows how white text looks on a background with the XYZ color 22.1676, 28.0522,

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

22.1676, 28.0522, 50.7006

Protanopia

27.6628, 27.7148, 44.9658

Deuteranopia

28.2259, 27.6294, 51.9895



Tritanopia

20.6633, 28.2080, 42.8837

Trichromacy



Original Color

22.1676, 28.0522, 50.7006

Protanomaly

24.4976, 27.1660, 47.1324

Deuteranomaly

24.9495, 27.0722, 51.4874

Tritanomaly

21.1455, 28.1462, 45.3926

Monochromacy



Original Color

22.1676, 28.0522, 50.7006

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.7688, 23.0562, 31.8421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1676, 28.0522, 50.7006 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(52, 156, 186)` looks like.

```
.text, #text, p{  
    color:rgb(52, 156, 186)  
}
```

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(52, 156, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 156, 186) }
```

Border

The CSS property to change the border of an element to XYZ 22.1676, 28.0522, 50.7006 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(52, 156, 186) }
```


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

```
.border{ border-color:rgb(52, 156, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 156, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 156, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 156, 186);  
box-shadow:4px 4px 4px 4px rgb(52, 156,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1676, 28.0522, 50.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 156, 186) }
```

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

```
.background{ background-color: rgb(52, 156,  
186) }
```

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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