

Converting Colors

XYZ(22.3917, 30.4025, 52.0856)

Have a look what the booklet for
XYZ(22.3917, 30.4025, 52.0856)
contains.

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Color

**XYZ(22.5322, 30.5411,
52.2844)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5BC
RGB	0, 165, 188
RGB Percent	0%, 65%, 74%
CMY	0.9999, 0.3529, 0.2627
CMYK	1.00, 0.12, 0.00, 0.26
HSL	187°, 100%, 37%
HSV	187°, 100%, 74%
XYZ	22.5322, 30.5411, 52.2844
YIQ	118.2870, -105.7230, -27.8270

Conversions

Conversions Part 2

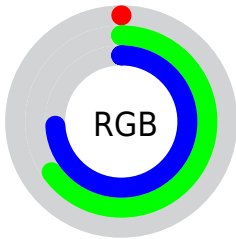
Format	Color
RYB	0, 88, 188
Decimal	42428
CIELab	62.12, -27.27, -21.93
CIELCh	62, 34.990, 218.808
Yxy	30.5411, 0.2139, 0.2899
Android (android.graphics.Color)	4278232508 (0xFF00A5BC)
YUV	118.2870, 34.3685, -103.7377
Hunter-Lab	55.2640, -23.9341, -17.4085

Details

The XYZ color **22.5322, 30.5411, 52.2844** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.0466, 11.3057, 1.0740**, and the grayscale version is **17.2328, 18.1303, 19.7438**.

A 20% lighter version of the original color is **46.9593, 60.3147, 94.7548**, and **10.2783, 13.5595, 24.9972** is the 20% darker color. If you saturate the color by 10%, you get **22.5320, 30.5404, 52.2849**, and if you desaturate by 10%, it is **23.2168, 31.5161, 52.4371**.

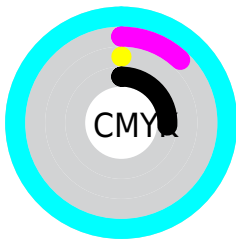
Distribution



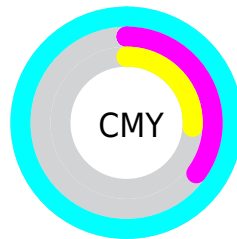
- Red (0%)
- Green (65%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5322, 30.5411, 52.2844 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 22.5322, 30.5411, 52.2844 by changing the saturation by 10% instead.

■ 22.5322, 30.5411,
52.2844

■ 22.5322, 30.5411,
52.2844

257.8935,
304.4186, 412.5217

■ 14.3673, 20.2497,
36.8480

■ 47.0964, 60.5168,
94.9814

■ 8.4599, 12.5767,
24.7950

■ 64.2263, 80.9699,
123.0791

■ 4.4449, 7.1377,
15.7067

■ 85.0753, 105.5791,
156.2342

■ 1.9568, 3.5484,
9.1648

■ 110.0087,
134.7286, 194.8655

■ 0.6095, 1.4243,
4.7505

■ 139.3919,
168.8029, 239.3913

■ 0.0000, 0.2345,
2.0455

173.5902,

■ 0.0000, 0.0000,

208.1864, 290.2303

0.5830

212.9690,
253.2635, 347.8009

■ 0.0000, 0.0000,
0.0000

■ 22.5322, 30.5411,
52.2844

■ 22.5322, 30.5411,
52.2844

■ 22.5320, 30.5404,
52.2849

■ 23.2168, 31.5161,
52.4371

■ 24.1635, 32.6368,
52.6035

■ 25.4666, 33.9524,
52.7888

■ 27.1727, 35.4870,
52.9951

■ 29.3213, 37.2611,
53.2243

■ 31.9470, 39.2924,
53.4780

■ 35.0812, 41.5973,
53.7577

■ 38.7524, 44.1905,
54.0647

■ 42.9869, 47.0857,
54.4003

Harmonies

Analogous

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



20.9726, 30.5411, 37.3824



22.5322, 30.5411, 52.2844



25.8784, 30.5411, 63.7439

Triad

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



22.5322, 30.5411, 52.2844



38.3097, 30.5411, 43.5304



27.6647, 30.5411, 13.6551

Complementary

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



22.5322, 30.5411, 52.2844



21.0466, 11.3057, 1.0740

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.



32.4242, 30.5411, 14.4703



22.5322, 30.5411, 52.2844



38.9209, 30.5411, 29.4414

Square

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



22.5322, 30.5411, 52.2844



35.0771, 30.5411, 57.8143



36.6667, 30.5411, 19.5126



23.7184, 30.5411, 16.8708

Rectangle

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



22.5322, 30.5411, 52.2844



28.8405, 30.5411, 66.4780



36.6667, 30.5411, 19.5126



29.2171, 30.5411, 13.4900

Sweetspot

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



22.5332, 30.5422, 52.2852



63.2660, 75.1627, 97.3996



18.1284, 36.0249, 6.7553



13.0695, 15.7736, 20.8983



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.



22.5332, 30.5422, 52.2852



40.7125, 55.1035, 94.7165



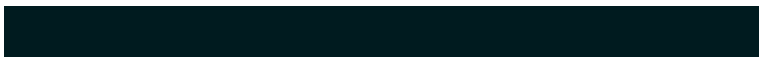
11.4008, 8.2773, 48.5743



9.7063, 10.6048, 12.2076



15.3774, 20.8666, 35.6101



0.6307, 0.8741, 1.4043

Inverse Universe

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



27.5314, 13.4090, 36.7355



49.8326, 24.2750, 66.2462



26.9788, 23.1702, 3.0514



9.8783, 9.6756, 11.7483



18.7626, 9.1362, 25.1071



0.7493, 0.3636, 1.0589

Previews

White Background



This preview shows how the XYZ color 22.5322, 30.5411, 52.2844 looks on a white background.

Color Contrast Check

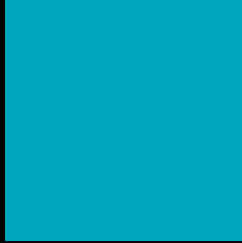
Large Text (above 18pt) WCAG AA × Fail

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 22.5322, 30.5411, 52.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

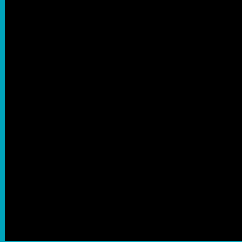
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.5322, 30.5411, 52.2844

Background



This preview shows how black text looks on a background with the XYZ color 22.5322, 30.5411, 52.2844.

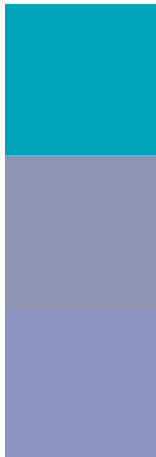


This preview shows how white text looks on a background with the XYZ color 22.5322, 30.5411,

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

22.5322, 30.5411, 52.2844

Protanopia

29.9280, 30.2437, 45.3345

Deuteranopia

30.9327, 30.3359, 54.0943



Tritanopia

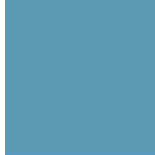
21.7729, 30.5271, 47.3926

Trichromacy



Original Color

22.5322, 30.5411, 52.2844



Protanomaly

24.2075, 28.6818, 47.4403



Deuteranomaly

25.1760, 29.0464, 53.5698



Tritanomaly

22.0797, 30.6498, 49.0083

Monochromacy



Original Color

22.5322, 30.5411, 52.2844



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.5235, 20.8070, 29.1319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5322, 30.5411, 52.2844 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(0, 165, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 188)  
}
```

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(0, 165, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.5322, 30.5411, 52.2844 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(0, 165, 188) }
```


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

```
.border{ border-color:rgb(0, 165, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5322, 30.5411, 52.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 188) }
```

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

```
.background{ background-color: rgb(0, 165,  
188) }
```

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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