

Converting Colors

XYZ(22.0723, 29.5002, 52.5043)

Have a look what the booklet for
XYZ(22.0723, 29.5002, 52.5043)
contains.

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Color

**XYZ(22.1056, 29.5148,
52.6759)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2BD
RGB	0, 162, 189
RGB Percent	0%, 64%, 74%
CMY	0.9999, 0.3647, 0.2588
CMYK	1.00, 0.14, 0.00, 0.26
HSL	189°, 100%, 37%
HSV	189°, 100%, 74%
XYZ	22.1056, 29.5148, 52.6759
YIQ	116.6400, -105.2190, -25.9470

Conversions

Conversions Part 2

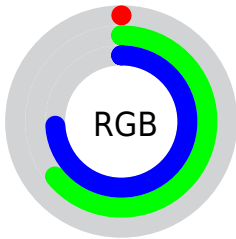
Format	Color
RYB	0, 87, 189
Decimal	41661
CIELab	61.23, -25.42, -23.84
CIElCh	61, 34.851, 223.172
Yxy	29.5148, 0.2119, 0.2830
Android (android.graphics.Color)	4278231741 (0xFF00A2BD)
YUV	116.6400, 35.6735, -102.2933
Hunter-Lab	54.3275, -22.4424, -19.4582

Details

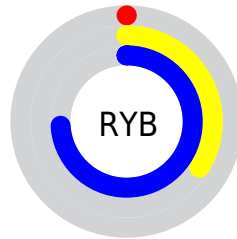
The XYZ color **22.1056, 29.5148, 52.6759** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.3794, 11.6044, 1.1141**, and the grayscale version is **16.7175, 17.5881, 19.1534**.

A 20% lighter version of the original color is **46.3313, 58.8150, 95.2967**, and **10.0199, 12.9294, 25.2601** is the 20% darker color. If you saturate the color by 10%, you get **22.1053, 29.5139, 52.6763**, and if you desaturate by 10%, it is **22.8543, 30.6151, 52.8494**.

Distribution



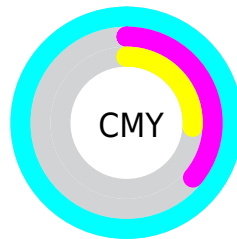
- Red (0%)
- Green (64%)
- Blue (74%)



- Red (0%)
- Yellow (34%)
- Blue (74%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (36%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1056, 29.5148, 52.6759 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 22.1056, 29.5148, 52.6759 by changing the saturation by 10% instead.

■ 22.1056, 29.5148,
52.6759

■ 22.1056, 29.5148,
52.6759

■ 255.7193,
299.6362, 414.0714

■ 14.0516, 19.4706,
37.1582

■ 46.3980, 58.8940,
95.5640

■ 8.2385, 12.0108,
25.0332

■ 63.3671, 78.9978,
123.7714

■ 4.3010, 6.7510,
15.8826

■ 84.0386, 103.2236,
157.0458

■ 1.8738, 3.3069,
9.2876

■ 108.7778,
131.9558, 195.8058

■ 0.5615, 1.2940,
4.8299

■ 137.9501,
165.5787, 240.4697

■ 0.0000, 0.1365,
2.0908

■ 171.9209,

■ 0.0000, 0.0000,

204.4769, 291.4563

0.6103

211.0555,
249.0346, 349.1840

■ 0.0000, 0.0000,
0.0000

■ 22.1056, 29.5148,
52.6759

■ 22.1056, 29.5148,
52.6759

■ 22.1053, 29.5139,
52.6763

■ 22.8543, 30.6151,
52.8494

■ 23.8713, 31.8684,
53.0377

■ 25.2518, 33.3245,
53.2460

■ 27.0429, 35.0077,
53.4765

■ 29.2848, 36.9388,
53.7311

■ 32.0127, 39.1360,
54.0114

■ 35.2582, 41.6158,
54.3190

■ 39.0502, 44.3932,
54.6552

■ 43.4156, 47.4820,
55.0213

Harmonies

Analogous

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



20.3191, 29.5148, 38.2360



22.1056, 29.5148, 52.6759



25.5788, 29.5148, 62.8436

Triad

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



22.1056, 29.5148, 52.6759



37.3592, 29.5148, 40.0088



26.0928, 29.5148, 13.2973

Complementary

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



22.1056, 29.5148, 52.6759



21.3794, 11.6044, 1.1141

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.



30.6816, 29.5148, 13.5300



22.1056, 29.5148, 52.6759



37.5356, 29.5148, 26.7230

Square

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



22.1056, 29.5148, 52.6759



34.5229, 29.5148, 54.2744



34.9814, 29.5148, 17.7798



22.4465, 29.5148, 17.0236

Rectangle

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



22.1056, 29.5148, 52.6759



28.5432, 29.5148, 64.4870



34.9814, 29.5148, 17.7798



27.5683, 29.5148, 12.9531

Sweetspot

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



22.1066, 29.5158, 52.6766



62.8344, 74.2995, 97.2557



18.3762, 36.4670, 7.0031



12.9646, 15.5639, 20.8634



90.7827, 95.5105, 104.0109



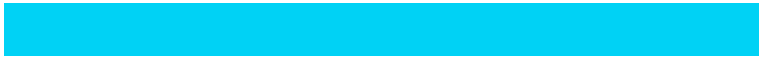
18.6292, 19.5994, 21.3438

Same Dimension

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



22.1066, 29.5158, 52.6766



39.4541, 52.5867, 94.2970



11.3338, 7.9704, 49.0857



9.6892, 10.5708, 12.2019



14.9157, 19.9431, 35.4562



0.6165, 0.8458, 1.3996

Inverse Universe

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



27.5087, 13.4284, 35.3255



49.1974, 24.0209, 62.9014



27.6687, 24.1831, 3.2105



9.8698, 9.6722, 11.7031



18.5295, 9.0430, 23.8797



0.7421, 0.3607, 1.0212

Previews

White Background



This preview shows how the XYZ color 22.1056, 29.5148, 52.6759 looks on a white background.

Color Contrast Check

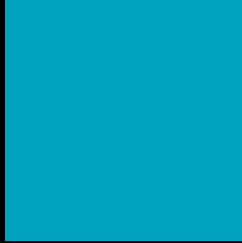
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1056, 29.5148, 52.6759 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

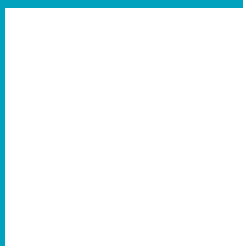
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1056, 29.5148, 52.6759

Background



This preview shows how black text looks on a background with the XYZ color 22.1056, 29.5148, 52.6759.

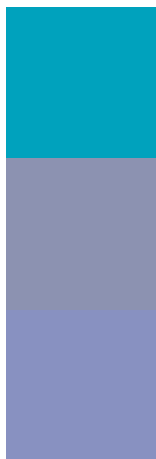


This preview shows how white text looks on a background with the XYZ color 22.1056, 29.5148,

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

22.1056, 29.5148, 52.6759

Protanopia

29.0299, 29.3075, 45.7219

Deuteranopia

29.9044, 29.3353, 54.5382



Tritanopia

20.9337, 29.3290, 45.6320

Trichromacy



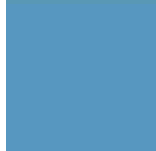
Original Color

22.1056, 29.5148, 52.6759



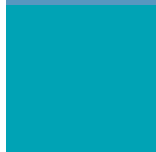
Protanomaly

23.6885, 27.9165, 47.8560



Deuteranomaly

24.5115, 27.9652, 53.9751



Tritanomaly

21.4377, 29.5306, 48.2861

Monochromacy



Original Color

22.1056, 29.5148, 52.6759



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.1695, 20.2141, 29.0361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1056, 29.5148, 52.6759 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, 162, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 189)  
}
```

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, 162, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 189) }
```

Border

The CSS property to change the border of an element to XYZ 22.1056, 29.5148, 52.6759 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, 162, 189) }
```


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

```
.border{ border-color:rgb(0, 162, 189) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1056, 29.5148, 52.6759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 189) }
```

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

```
.background{ background-color: rgb(0, 162,  
189) }
```

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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