

Converting Colors

XYZ(22.7992, 30.9539, 52.7466)

Have a look what the booklet for
XYZ(22.7992, 30.9539, 52.7466)
contains.

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Color

**XYZ(22.8215, 30.9466,
52.9146)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6BD
RGB	0, 166, 189
RGB Percent	0%, 65%, 74%
CMY	0.9999, 0.3490, 0.2588
CMYK	1.00, 0.12, 0.00, 0.26
HSL	187°, 100%, 37%
HSV	187°, 100%, 74%
XYZ	22.8215, 30.9466, 52.9146
YIQ	118.9880, -106.3190, -28.0390

Conversions

Conversions Part 2

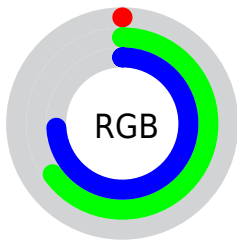
Format	Color
RYB	0, 88, 189
Decimal	42685
CIELab	62.46, -27.43, -21.96
CIELCh	62, 35.139, 218.681
Yxy	30.9466, 0.2139, 0.2901
Android (android.graphics.Color)	4278232765 (0xFF00A6BD)
YUV	118.9880, 34.5159, -104.3525
Hunter-Lab	55.6297, -24.1241, -17.4555

Details

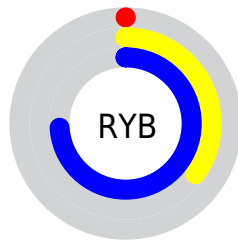
The XYZ color **22.8215, 30.9466, 52.9146** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.2938, 11.4331, 1.0855**, and the grayscale version is **17.4527, 18.3616, 19.9958**.

A 20% lighter version of the original color is **47.3749, 60.9021, 95.6446**, and **10.4612, 13.8122, 25.4072** is the 20% darker color. If you saturate the color by 10%, you get **22.8213, 30.9460, 52.9151**, and if you desaturate by 10%, it is **23.5113, 31.9291, 53.0685**.

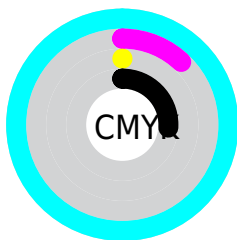
Distribution



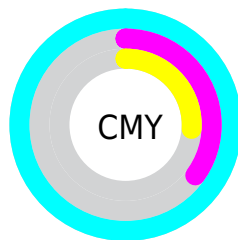
- Red (0%)
- Green (65%)
- Blue (74%)



- 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 22.8215, 30.9466, 52.9146 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 22.8215, 30.9466, 52.9146 by changing the saturation by 10% instead.

■ 22.8215, 30.9466,
52.9146

■ 22.8215, 30.9466,
52.9146

■ 259.3593,
306.2922, 415.0144

■ 14.5817, 20.5582,
37.3473

■ 47.5689, 61.1560,
95.9190

■ 8.6108, 12.8014,
25.1786

■ 64.8072, 81.7458,
124.1932

■ 4.5432, 7.2920,
15.9900

■ 85.7758, 106.5048,
157.5401

■ 2.0138, 3.6454,
9.3628

■ 110.8399,
135.8174, 196.3782

■ 0.6417, 1.4772,
4.8785

■ 140.3650,
170.0681, 241.1262

■ 0.0000, 0.2726,
2.1187

174.7163,

■ 0.0000, 0.0000,

209.6412, 292.2025

0.6269

214.2593,
254.9211, 350.0258

■ 0.0000, 0.0000,
0.0000

■ 22.8215, 30.9466,
52.9146

■ 22.8215, 30.9466,
52.9146

■ 22.8213, 30.9460,
52.9151

■ 23.5113, 31.9291,
53.0685

■ 24.4667, 33.0591,
53.2363

■ 25.7827, 34.3863,
53.4231

■ 27.5065, 35.9350,
53.6311

■ 29.6783, 37.7259,
53.8623

■ 32.3332, 39.7772,
54.1184

■ 35.5028, 42.1054,
54.4007

■ 39.2162, 44.7253,
54.7107

■ 43.4999, 47.6508,
55.0496

Harmonies

Analogous

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



21.2495, 30.9466, 37.8164



22.8215, 30.9466, 52.9146



26.2050, 30.9466, 64.5528

Triad

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



22.8215, 30.9466, 52.9146



38.8082, 30.9466, 44.1714



28.0515, 30.9466, 13.8335

Complementary

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



22.8215, 30.9466, 52.9146



21.2938, 11.4331, 1.0855

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.



32.8745, 30.9466, 14.6763



22.8215, 30.9466, 52.9146



39.4399, 30.9466, 29.8856

Square

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



22.8215, 30.9466, 52.9146



35.5241, 30.9466, 58.6303



37.1671, 30.9466, 19.8049



24.0477, 30.9466, 17.0735

Rectangle

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



22.8215, 30.9466, 52.9146



29.2034, 30.9466, 67.3531



37.1671, 30.9466, 19.8049



29.6253, 30.9466, 13.6718

Sweetspot

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



22.8225, 30.9477, 52.9154



63.2797, 75.1902, 97.4042



18.3438, 36.4541, 6.8326



13.0728, 15.7802, 20.8994



90.7827, 95.5105, 104.0109



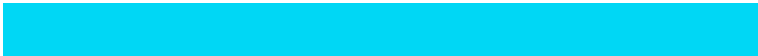
18.6292, 19.5994, 21.3438

Same Dimension

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



22.8225, 30.9477, 52.9154



40.7529, 55.1844, 94.7300



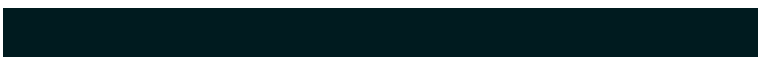
11.5338, 8.3703, 49.1525



9.7068, 10.6059, 12.2078



15.3923, 20.8962, 35.6150



0.6312, 0.8750, 1.4045

Inverse Universe

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



27.8701, 13.5729, 37.2285



49.8530, 24.2831, 66.3537



27.2973, 23.4401, 3.0866



9.8786, 9.6757, 11.7498



18.7701, 9.1392, 25.1465



0.7495, 0.3637, 1.0601

Previews

White Background



This preview shows how the XYZ color 22.8215, 30.9466, 52.9146 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 22.8215, 30.9466, 52.9146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

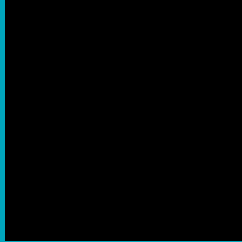
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.8215, 30.9466, 52.9146

Background



This preview shows how black text looks on a background with the XYZ color 22.8215, 30.9466, 52.9146.



This preview shows how white text looks on a background with the XYZ color 22.8215, 30.9466,

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

22.8215, 30.9466, 52.9146

Protanopia

30.1849, 30.5985, 45.9102

Deuteranopia

31.2147, 30.4685, 54.6879



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

22.8215, 30.9466, 52.9146

Protanomaly

24.4755, 29.0542, 48.0341

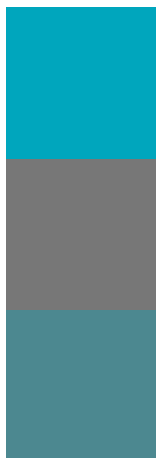
Deuteranomaly

25.2865, 29.0906, 54.1515

Tritanomaly

22.3660, 31.0563, 49.6154

Monochromacy



Original Color

22.8215, 30.9466, 52.9146

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8187, 21.1584, 29.5831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8215, 30.9466, 52.9146 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, 166, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 189) }
```

Border

The CSS property to change the border of an element to XYZ 22.8215, 30.9466, 52.9146 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, 166, 189) }
```


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

```
.border{ border-color:rgb(0, 166, 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, 166, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8215, 30.9466, 52.9146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 189) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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