

Converting Colors

XYZ(20.8583, 28.1936, 56.3191)

Have a look what the booklet for
XYZ(20.8583, 28.1936, 56.3191)
contains.

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Color

**XYZ(22.5346, 29.1271,
56.6590)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0C4
RGB	0, 160, 196
RGB Percent	0%, 63%, 77%
CMY	0.9998, 0.3725, 0.2314
CMYK	1.00, 0.18, 0.00, 0.23
HSL	191°, 100%, 38%
HSV	191°, 100%, 77%
XYZ	22.5346, 29.1271, 56.6590
YIQ	116.2640, -106.9160, -22.7240

Conversions

Conversions Part 2

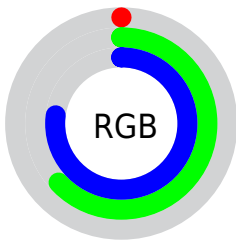
Format	Color
R _{YB}	0, 88, 196
Decimal	41156
CIE Lab	60.89, -21.98, -28.29
CIE LCh	61, 35.824, 232.161
Yxy	29.1271, 0.2080, 0.2689
Android (android.graphics.Color)	4278231236 (0xFF00A0C4)
YUV	116.2640, 39.3098, -101.9635
Hunter-Lab	53.9695, -19.9152, -24.4659

Details

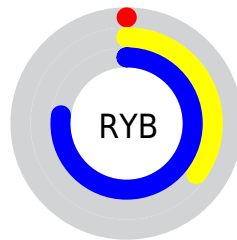
The XYZ color **22.5346, 29.1271, 56.6590** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.3976, 13.0002, 1.2773**, and the grayscale version is **16.5922, 17.4563, 19.0099**.

A 20% lighter version of the original color is **47.1757, 58.3454, 101.7039**, and **10.2450, 12.6781, 27.4983** is the 20% darker color. If you saturate the color by 10%, you get **22.5337, 29.1252, 56.6593**, and if you desaturate by 10%, it is **23.4496, 30.5395, 56.8840**.

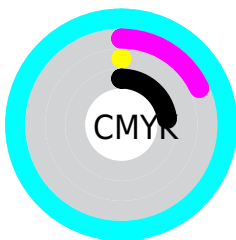
Distribution



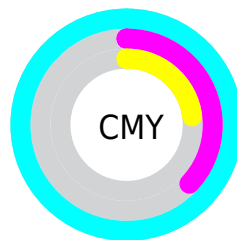
- Red (0%)
- Green (63%)
- Blue (77%)



- Red (0%)
- Yellow (35%)
- Blue (77%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (37%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5346, 29.1271, 56.6590 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 22.5346, 29.1271, 56.6590 by changing the saturation by 10% instead.

■ 22.5346, 29.1271,
56.6590

■ 22.5346, 29.1271,
56.6590

257.9057,
297.8142, 429.6282

■ 14.3690, 19.1770,
40.3240

■ 47.1003, 58.2790,
101.4628

■ 8.4612, 11.7982,
27.4755

■ 64.2312, 78.2495,
130.7688

■ 4.4457, 6.6064,
17.6951

■ 85.0812, 102.3290,
165.2354

■ 1.9573, 3.2172,
10.5641

■ 110.0157,
130.9018, 205.2813

■ 0.6098, 1.2462,
5.6641

■ 139.4000,
164.3523, 251.3250

■ 0.0000, 0.0989,
2.5765

173.5996,

■ 0.0000, 0.0000,

203.0650, 303.7850

0.8803

212.9797,
247.4241, 363.0799

■ 0.0000, 0.0000,
0.0000

■ 22.5346, 29.1271,
56.6590

■ 22.5346, 29.1271,
56.6590

■ 22.5337, 29.1252,
56.6593

■ 23.4496, 30.5395,
56.8840

■ 24.6658, 32.1336,
57.1276

■ 26.2841, 33.9624,
57.3953

■ 28.3565, 36.0527,
57.6895

■ 30.9270, 38.4275,
58.0124

■ 34.0340, 41.1069,
58.3658

■ 37.7125, 44.1089,
58.7514

■ 41.9941, 47.4502,
59.1707

■ 46.9081, 51.1461,
59.6251

Harmonies

Analogous

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



20.1751, 29.1271, 42.4342



22.5346, 29.1271, 56.6590



26.4780, 29.1271, 64.6098

Triad

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



22.5346, 29.1271, 56.6590



37.5637, 29.1271, 35.3519



24.4345, 29.1271, 13.3659

Complementary

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



22.5346, 29.1271, 56.6590



23.3976, 13.0002, 1.2773

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.



28.9270, 29.1271, 12.4549



22.5346, 29.1271, 56.6590



36.8583, 29.1271, 22.9716

Square

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



22.5346, 29.1271, 56.6590



35.3962, 29.1271, 50.2446



33.5645, 29.1271, 15.4355



21.1829, 29.1271, 18.4130

Rectangle

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



22.5346, 29.1271, 56.6590



29.6189, 29.1271, 64.0703



33.5645, 29.1271, 15.4355



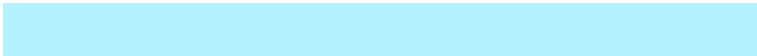
25.8361, 29.1271, 12.6363

Sweetspot

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



22.5356, 29.1281, 56.6597



67.9645, 79.6231, 106.3944



20.0586, 39.6078, 8.2543



13.9133, 16.5311, 22.7075



0.0000, 0.0000, 0.0000



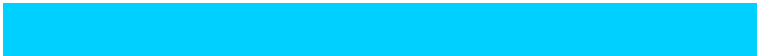
20.3446, 21.4041, 23.3091

Same Dimension

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



22.5356, 29.1281, 56.6597



40.6436, 52.4072, 102.5812



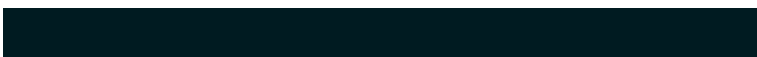
11.6923, 7.4415, 53.0453



10.2061, 11.1036, 12.8901



14.5370, 18.8304, 36.4251



0.6699, 0.8973, 1.5878

Inverse Universe

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



29.1110, 14.2749, 34.4796



52.6442, 25.8217, 61.9837



31.2833, 28.7716, 3.9059



10.4154, 10.2147, 12.2778



18.7336, 9.1832, 22.3068



0.8305, 0.4052, 1.0750

Previews

White Background



This preview shows how the XYZ color 22.5346, 29.1271, 56.6590 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 22.5346, 29.1271, 56.6590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

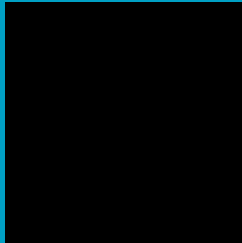
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5346, 29.1271, 56.6590

Background



This preview shows how black text looks on a background with the XYZ color 22.5346, 29.1271, 56.6590.

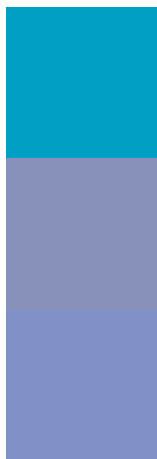


This preview shows how white text looks on a background with the XYZ color 22.5346, 29.1271,

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

22.5346, 29.1271, 56.6590

Protanopia

29.0357, 28.9878, 49.9638

Deuteranopia

29.6045, 28.8625, 58.6543



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



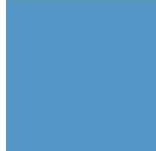
Original Color

22.5346, 29.1271, 56.6590



Protanomaly

24.0221, 27.5131, 52.1886



Deuteranomaly

24.7824, 27.7752, 58.0878



Tritanomaly

21.2921, 28.9086, 49.2575

Monochromacy



Original Color

22.5346, 29.1271, 56.6590



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.1861, 20.0027, 29.7959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5346, 29.1271, 56.6590 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, 160, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 196)  
}
```

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, 160, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 196) }
```

Border

The CSS property to change the border of an element to XYZ 22.5346, 29.1271, 56.6590 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, 160, 196) }
```


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

```
.border{ border-color:rgb(0, 160, 196) }
```

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

Here you see how a box with a 4 pixel rgb(0, 160, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5346, 29.1271, 56.6590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 196) }
```

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

```
.background{ background-color: rgb(0, 160,  
196) }
```

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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