

Converting Colors

XYZ(14.8188, 24.8138, 55.4587)

Have a look what the booklet for
XYZ(14.8188, 24.8138, 55.4587)
contains.

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Color

**XYZ(22.2485, 28.7364,
56.0038)**

Conversions

Conversions Part 1

Format	Color
Hex	009FC3
RGB	0, 159, 195
RGB Percent	0%, 62%, 76%
CMY	0.9998, 0.3765, 0.2353
CMYK	1.00, 0.18, 0.00, 0.24
HSL	191°, 100%, 38%
HSV	191°, 100%, 76%
XYZ	22.2485, 28.7364, 56.0038
YIQ	115.5630, -106.3200, -22.5120

Conversions

Conversions Part 2

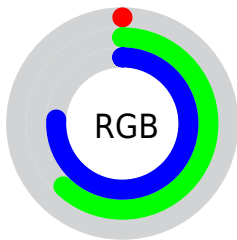
Format	Color
R _Y B	0, 88, 195
Decimal	40899
CIE Lab	60.55, -21.80, -28.26
CIE LCh	61, 35.697, 232.354
Yxy	28.7364, 0.2080, 0.2686
Android (android.graphics.Color)	4278230979 (0xFF009FC3)
YUV	115.5630, 39.1624, -101.3488
Hunter-Lab	53.6063, -19.7274, -24.4172

Details

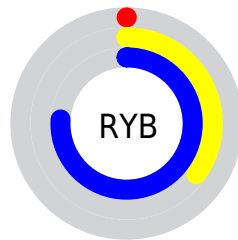
The XYZ color **22.2485, 28.7364, 56.0038** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.1384, 12.8668, 1.2653**, and the grayscale version is **16.3790, 17.2320, 18.7656**.

A 20% lighter version of the original color is **46.7628, 57.7741, 100.7823**, and **10.0654, 12.4385, 27.0697** is the 20% darker color. If you saturate the color by 10%, you get **22.2474, 28.7342, 56.0040**, and if you desaturate by 10%, it is **23.1565, 30.1377, 56.2270**.

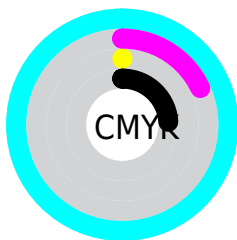
Distribution



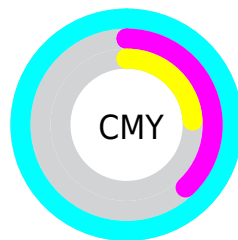
- Red (0%)
- Green (62%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2485, 28.7364, 56.0038 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 22.2485, 28.7364, 56.0038 by changing the saturation by 10% instead.

■ 22.2485, 28.7364,
56.0038

■ 22.2485, 28.7364,
56.0038

256.4493,
295.9692, 427.0945

■ 14.1572, 18.8815,
39.8020

■ 46.6322, 57.6580,
100.4960

■ 8.3125, 11.5847,
27.0716

■ 63.6553, 77.4935,
129.6234

■ 4.3491, 6.4616,
17.3941

■ 84.3864, 101.4247,
163.8964

■ 1.9014, 3.1277,
10.3509

■ 109.1909,
129.8359, 203.7336

■ 0.5777, 1.1988,
5.5236

■ 138.4340,
163.1116, 249.5534

■ 0.0000, 0.0607,
2.4936

172.4812,

■ 0.0000, 0.0000,

201.6361, 301.7745

0.8368

211.6979,
245.7938, 360.8154

■ 0.0000, 0.0000,
0.0000

■ 22.2485, 28.7364,
56.0038

■ 22.2485, 28.7364,
56.0038

■ 22.2474, 28.7342,
56.0040

■ 23.1565, 30.1377,
56.2270

■ 24.3621, 31.7189,
56.4686

■ 25.9653, 33.5323,
56.7342

■ 28.0175, 35.6045,
57.0260

■ 30.5619, 37.9582,
57.3462

■ 33.6368, 40.6132,
57.6966

■ 37.2764, 43.5874,
58.0789

■ 41.5120, 46.8972,
58.4945

■ 46.3727, 50.5577,
58.9448

Harmonies

Analogous

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



19.9074, 28.7364, 41.9722



22.2485, 28.7364, 56.0038



26.1505, 28.7364, 63.7995

Triad

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



22.2485, 28.7364, 56.0038



37.0749, 28.7364, 34.7901



24.0784, 28.7364, 13.1924

Complementary

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



22.2485, 28.7364, 56.0038



23.1384, 12.8668, 1.2653

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.



28.5097, 28.7364, 12.2690



22.2485, 28.7364, 56.0038



36.3595, 28.7364, 22.5925

Square

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



22.2485, 28.7364, 56.0038



34.9507, 28.7364, 49.4985



33.0932, 28.7364, 15.1844



20.8780, 28.7364, 18.2030

Rectangle

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



22.2485, 28.7364, 56.0038



29.2539, 28.7364, 63.2189



33.0932, 28.7364, 15.1844



25.4600, 28.7364, 12.4641

Sweetspot

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



22.2495, 28.7374, 56.0045



66.4189, 77.7909, 103.9843



19.8311, 39.1570, 8.1650



13.9082, 16.5208, 22.7057



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.



22.2495, 28.7374, 56.0045



39.6735, 51.1197, 100.2459



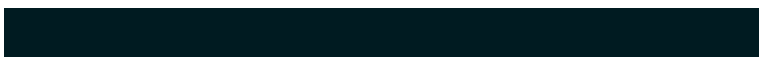
11.5618, 7.3620, 52.4420



10.2053, 11.1019, 12.8898



14.5165, 18.7896, 36.4183



0.6692, 0.8958, 1.5875

Inverse Universe

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



28.7646, 14.1065, 34.0085



51.4285, 25.2277, 60.4459



30.9301, 28.4501, 3.8626



10.4149, 10.2146, 12.2756



18.7232, 9.1791, 22.2525



0.8302, 0.4051, 1.0731

Previews

White Background



This preview shows how the XYZ color 22.2485, 28.7364, 56.0038 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 22.2485, 28.7364, 56.0038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

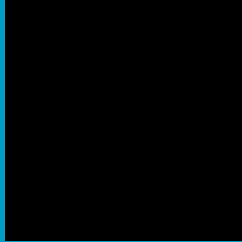
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2485, 28.7364, 56.0038

Background



This preview shows how black text looks on a background with the XYZ color 22.2485, 28.7364, 56.0038.

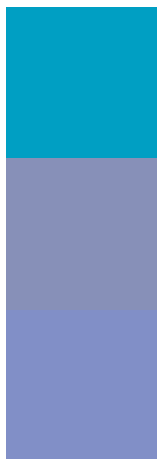


This preview shows how white text looks on a background with the XYZ color 22.2485, 28.7364,

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

22.2485, 28.7364, 56.0038

Protanopia

28.6167, 28.5581, 49.3514

Deuteranopia

29.1845, 28.4356, 57.9833



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



Original Color

22.2485, 28.7364, 56.0038



Protanomaly

23.6623, 27.1042, 51.5614



Deuteranomaly

24.4202, 27.3659, 57.4212



Tritanomaly

21.0143, 28.5190, 48.6531

Monochromacy



Original Color

22.2485, 28.7364, 56.0038



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 22.2485, 28.7364, 56.0038 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, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 195)  
}
```

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, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 195) }
```

Border

The CSS property to change the border of an element to XYZ 22.2485, 28.7364, 56.0038 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, 159, 195) }
```


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

```
.border{ border-color:rgb(0, 159, 195) }
```

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

Here you see how a box with a 4 pixel rgb(0, 159, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2485, 28.7364, 56.0038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 195) }
```

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

```
.background{ background-color: rgb(0, 159,  
195) }
```

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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