

Converting Colors

XYZ(23.4413, 28.5956, 57.8235)

Have a look what the booklet for
XYZ(23.4413, 28.5956, 57.8235)
contains.

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Color

**XYZ(23.3969, 28.5323,
57.7002)**

Conversions

Conversions Part 1

Format	Color
Hex	329CC6
RGB	50, 156, 198
RGB Percent	20%, 61%, 78%
CMY	0.8039, 0.3882, 0.2235
CMYK	0.75, 0.21, 0.00, 0.22
HSL	197°, 60%, 49%
HSV	197°, 75%, 78%
XYZ	23.3969, 28.5323, 57.7002
YIQ	129.0940, -76.6580, -9.4100

Conversions

Conversions Part 2

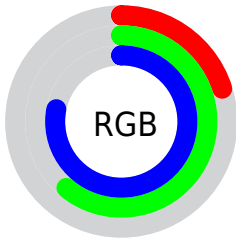
Format	Color
RYB	50, 112, 198
Decimal	3316934
CIELab	60.37, -15.81, -30.18
CIELCh	60, 34.068, 242.357
Yxy	28.5323, 0.2134, 0.2603
Android (android.graphics.Color)	4281507014 (0xFF329CC6)
YUV	129.0940, 33.9707, -69.3654
Hunter-Lab	53.4156, -15.2915, -26.6548

Details

The XYZ color **23.3969, 28.5323, 57.7002** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **27.6928, 19.8921, 5.3988**, and the grayscale version is **20.8046, 21.8880, 23.8360**.

A 20% lighter version of the original color is **48.6804, 57.5904, 103.1581**, and **10.0856, 12.1168, 28.1928** is the 20% darker color. If you saturate the color by 10%, you get **21.7023, 26.2916, 57.3576**, and if you desaturate by 10%, it is **25.5590, 31.0798, 58.0785**.

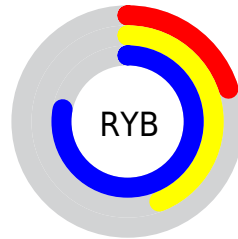
Distribution



Red (20%)

Green (61%)

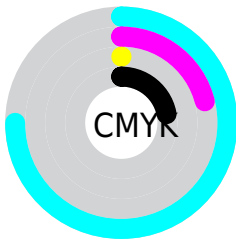
Blue (78%)



Red (20%)

Yellow (44%)

Blue (78%)

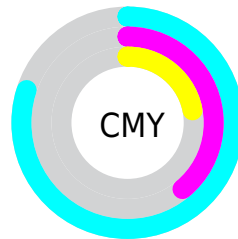


Cyan (75%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (80%)

Magenta (39%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3969, 28.5323, 57.7002 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 23.3969, 28.5323, 57.7002 by changing the saturation by 10% instead.

■ 23.3969, 28.5323,
57.7002

■ 23.3969, 28.5323,
57.7002

262.2545,
295.0018, 433.6349

■ 15.0092, 18.7273,
41.1546

■ 48.5061, 57.3332,
102.9966

■ 8.9122, 11.4734,
28.1193

■ 65.9583, 77.0978,
132.5845

■ 4.7406, 6.3862,
18.1758

■ 87.1626, 100.9512,
167.3568

■ 2.1291, 3.0813,
10.9055

■ 112.4845,
129.2776, 207.7322

■ 0.7049, 1.1743,
5.8900

■ 142.2892,
162.4614, 254.1292

■ 0.0000, 0.0406,
2.7106

176.9423,

■ 0.0000, 0.0000,

200.8872, 306.9663

0.9487

216.8089,
244.9391, 366.6620

■ 0.0000, 0.0000,
0.0000

■ 23.3969, 28.5323,
57.7002

■ 23.3969, 28.5323,
57.7002

■ 21.7023, 26.2916,
57.3576

■ 25.5590, 31.0798,
58.0785

■ 20.4128, 24.3232,
57.0456

■ 28.2346, 33.9571,
58.4929

■ 19.8379, 23.3667,
56.8913

■ 31.4671, 37.1879,
58.9461

■ 35.2942, 40.7925,
59.4402

■ 39.7503, 44.7895,
59.9768

■ 44.8670, 49.1958,
60.5576

■ 50.6735, 54.0274,
61.1842

■ 57.1975, 59.2992,
61.8579

■ 64.4649, 65.0254,
62.5801

Harmonies

Analogous

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



20.6099, 28.5323, 45.8428



23.3969, 28.5323, 57.7002



27.4668, 28.5323, 61.9279

Triad

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



23.3969, 28.5323, 57.7002



36.4324, 28.5323, 30.0858



22.8576, 28.5323, 14.8239

Complementary

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



23.3969, 28.5323, 57.7002



27.6928, 19.8921, 5.3988

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.



26.7743, 28.5323, 12.6643



23.3969, 28.5323, 57.7002



34.8721, 28.5323, 19.8653

Square

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



23.3969, 28.5323, 57.7002



35.2831, 28.5323, 43.6526



31.2165, 28.5323, 14.2266



20.3229, 28.5323, 21.1675

Rectangle

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



23.3969, 28.5323, 57.7002



30.4497, 28.5323, 59.1323



31.2165, 28.5323, 14.2266



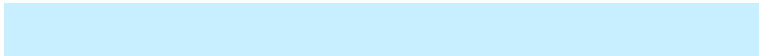
24.0407, 28.5323, 13.6754

Sweetspot

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



23.3979, 28.5333, 57.7009



72.4664, 81.1278, 106.4476



23.4394, 41.8386, 16.9520



15.0048, 16.9222, 22.7254



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.



23.3979, 28.5333, 57.7009



36.8486, 44.2035, 101.1977



14.5320, 10.8015, 54.7456



10.6825, 11.5391, 13.5817



12.9767, 15.3473, 37.0227



0.6738, 0.8454, 1.7728

Inverse Universe

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



30.4309, 16.6883, 33.0708



50.8784, 25.6888, 50.9173



37.4895, 39.4855, 8.6643



10.9498, 10.7633, 12.7189



18.3494, 9.0893, 17.5815



0.8988, 0.4424, 0.9902

Previews

White Background



This preview shows how the XYZ color 23.3969, 28.5323, 57.7002 looks on a white background.

Color Contrast Check

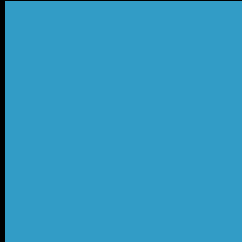
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3969, 28.5323, 57.7002 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 23.3969, 28.5323, 57.7002

Background



This preview shows how black text looks on a background with the XYZ color 23.3969, 28.5323, 57.7002.

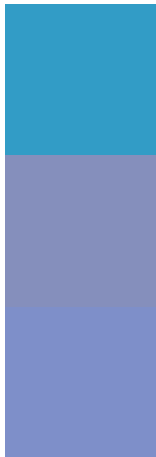


This preview shows how white text looks on a background with the XYZ color 23.3969, 28.5323,

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

23.3969, 28.5323, 57.7002

Protanopia

28.5724, 28.2623, 51.5262

Deuteranopia

28.9693, 28.2976, 59.1935



Tritanopia

20.5396, 28.3784, 43.9302

Trichromacy



Original Color

23.3969, 28.5323, 57.7002

Protanomaly

25.6979, 27.8691, 53.8940

Deuteranomaly

26.0522, 27.9466, 58.6647

Tritanomaly

21.5348, 28.5310, 48.6280

Monochromacy



Original Color

23.3969, 28.5323, 57.7002

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3209, 23.5077, 34.0383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3969, 28.5323, 57.7002 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(50, 156, 198)` looks like.

```
.text, #text, p{  
    color:rgb(50, 156, 198)  
}
```

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(50, 156, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 156, 198) }
```

Border

The CSS property to change the border of an element to XYZ 23.3969, 28.5323, 57.7002 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(50, 156, 198) }
```


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

```
.border{ border-color:rgb(50, 156, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 156, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 156, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 156, 198);  
box-shadow:4px 4px 4px 4px rgb(50, 156,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3969, 28.5323, 57.7002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 156, 198) }
```

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

```
.background{ background-color: rgb(50, 156,  
198) }
```

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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