

Converting Colors

XYZ(8.8909, 20.5520, 66.8607)

Have a look what the booklet for
XYZ(8.8909, 20.5520, 66.8607)
contains.

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Color

**XYZ(23.8589, 28.2977,
67.8228)**

Conversions

Conversions Part 1

Format	Color
Hex	009BD6
RGB	0, 155, 214
RGB Percent	0%, 61%, 84%
CMY	0.9998, 0.3922, 0.1608
CMYK	1.00, 0.28, 0.00, 0.16
HSL	197°, 100%, 42%
HSV	197°, 100%, 84%
XYZ	23.8589, 28.2977, 67.8228
YIQ	115.3810, -111.3190, -14.5110

Conversions

Conversions Part 2

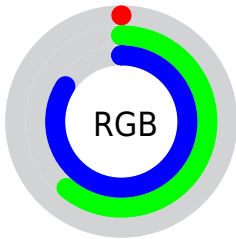
Format	Color
R _{YB}	0, 90, 214
Decimal	39894
CIE _{Lab}	60.16, -12.85, -39.50
CIE _{LCh}	60, 41.539, 251.976
Yxy	28.2977, 0.1989, 0.2359
Android (android.graphics.Color)	4278229974 (0xFF009BD6)
YUV	115.3810, 48.6192, -101.1891
Hunter-Lab	53.1956, -13.0327, -38.3561

Details

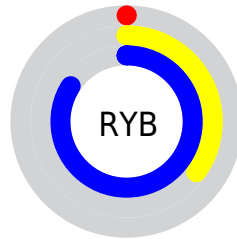
The XYZ color **23.8589, 28.2977, 67.8228** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.2985, 17.4292, 1.8214**, and the grayscale version is **16.2972, 17.1459, 18.6719**.

A 20% lighter version of the original color is **46.3300, 55.6457, 102.9066**, and **11.2083, 12.4038, 34.6043** is the 20% darker color. If you saturate the color by 10%, you get **23.8571, 28.2939, 67.8227**, and if you desaturate by 10%, it is **25.1845, 30.4753, 68.1738**.

Distribution



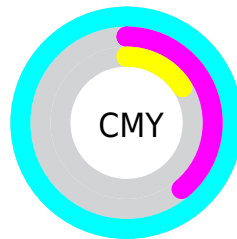
- Red (0%)
- Green (61%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8589, 28.2977, 67.8228 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 23.8589, 28.2977, 67.8228 by changing the saturation by 10% instead.

■ 23.8589, 28.2977,
67.8228

■ 23.8589, 28.2977,
67.8228

264.5601,
293.8867, 471.4489

■ 15.3532, 18.5502,
49.2878

■ 49.2562, 56.9594,
117.7504

■ 9.1555, 11.3457,
34.4806

■ 66.8785, 76.6423,
149.9801

■ 4.9007, 6.2999,
22.9827

■ 88.2703, 100.4059,
187.6118

■ 2.2233, 3.0283,
14.3756

■ 113.7970,
128.6345, 231.0640

■ 0.7550, 1.1465,
8.2406

■ 143.8240,
161.7125, 280.7553

■ 0.0000, 0.0174,
4.1593

178.7166,

■ 0.0000, 0.0000,

200.0242, 337.1042

1.7132

218.8402,
243.9542, 400.5292

■ 0.0000, 0.0000,
0.3697

■ 0.0000, 0.0000,
0.0000

■ 23.8589, 28.2977,
67.8228

■ 23.8589, 28.2977,
67.8228

■ 23.8571, 28.2939,
67.8227

■ 25.1845, 30.4753,
68.1738

■ 26.9105, 32.9312,
68.5569

■ 29.1554, 35.7277,
68.9784

■ 31.9846, 38.8997,
69.4415

■ 35.4532, 42.4763,
69.9491

■ 39.6097, 46.4836,
70.5035

■ 44.4977, 50.9449,
71.1070

■ 50.1569, 55.8815,
71.7616

■ 56.6242, 61.3134,
72.4691

Harmonies

Analogous

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



19.9970, 28.2977, 54.7992



23.8589, 28.2977, 67.8228



29.0709, 28.2977, 69.1831

Triad

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



23.8589, 28.2977, 67.8228



38.1719, 28.2977, 25.1332



20.6288, 28.2977, 13.7840

Complementary

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



23.8589, 28.2977, 67.8228



29.2985, 17.4292, 1.8214

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.



24.8326, 28.2977, 10.1451



23.8589, 28.2977, 67.8228



35.2234, 28.2977, 15.0999

Square

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



23.8589, 28.2977, 67.8228



37.8208, 28.2977, 40.7740



30.1807, 28.2977, 10.5306



18.3081, 28.2977, 22.6202

Rectangle

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



23.8589, 28.2977, 67.8228



32.6737, 28.2977, 62.8688



30.1807, 28.2977, 10.5306



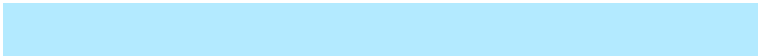
21.8432, 28.2977, 12.0673

Sweetspot

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



23.8599, 28.2986, 67.8235



65.9207, 75.5355, 105.7132



24.7885, 48.3903, 11.9181



13.4212, 15.5469, 22.5434



0.0000, 0.0000, 0.0000



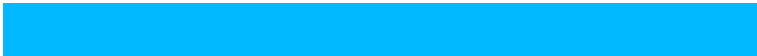
20.3446, 21.4041, 23.3091

Same Dimension

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



23.8599, 28.2986, 67.8235



35.3324, 41.7848, 100.8108



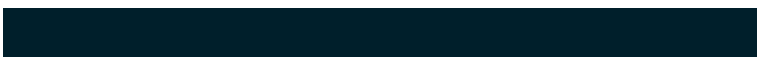
13.2777, 7.1341, 64.2961



12.4892, 13.5018, 15.8854



14.5111, 17.2839, 41.0245



0.9429, 1.1778, 2.4969

Inverse Universe

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



33.6489, 16.6639, 32.4540



49.9634, 24.7493, 47.8666



41.0216, 40.8755, 5.7291



12.8001, 12.5715, 14.8877



20.3834, 10.0897, 19.8547



1.2636, 0.6222, 1.3773

Previews

White Background



This preview shows how the XYZ color 23.8589, 28.2977, 67.8228 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 23.8589, 28.2977, 67.8228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

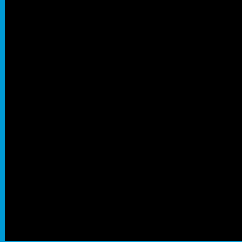
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8589, 28.2977, 67.8228

Background



This preview shows how black text looks on a background with the XYZ color 23.8589, 28.2977, 67.8228.

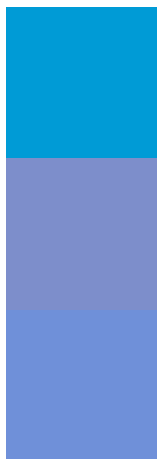


This preview shows how white text looks on a background with the XYZ color 23.8589, 28.2977,

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

23.8589, 28.2977, 67.8228

Protanopia

28.9099, 28.0178, 60.3842

Deuteranopia

29.0532, 28.3358, 69.5837



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

23.8589, 28.2977, 67.8228



Protanomaly

25.0045, 27.0779, 62.9402



Deuteranomaly

25.5831, 27.4773, 68.9210



Tritanomaly

21.1965, 28.0416, 51.3091

Monochromacy



Original Color

23.8589, 28.2977, 67.8228



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

16.3162, 19.6161, 32.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8589, 28.2977, 67.8228 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, 155, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 214)  
}
```

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, 155, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.8589, 28.2977, 67.8228 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, 155, 214) }
```


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

```
.border{ border-color:rgb(0, 155, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 155, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 155, 214); box-shadow:4px 4px 4px 4px rgb(0, 155, 214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8589, 28.2977, 67.8228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 214) }
```

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

```
.background{ background-color: rgb(0, 155,  
214) }
```

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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