

Converting Colors

XYZ(23.1354, 28.1233, 63.5259)

Have a look what the booklet for
XYZ(23.1354, 28.1233, 63.5259)
contains.

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Color

**XYZ(23.0089, 27.9606,
63.2157)**

Conversions

Conversions Part 1

Format	Color
Hex	029BCF
RGB	2, 155, 207
RGB Percent	1%, 61%, 81%
CMY	0.9920, 0.3922, 0.1882
CMYK	0.99, 0.25, 0.00, 0.19
HSL	195°, 98%, 41%
HSV	195°, 99%, 81%
XYZ	23.0089, 27.9606, 63.2157
YIQ	115.1810, -107.8800, -16.2640

Conversions

Conversions Part 2

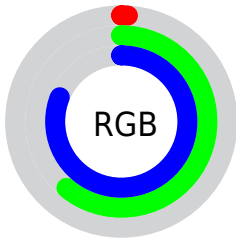
Format	Color
R _Y B	2, 90, 207
Decimal	170959
CIE _{Lab}	59.85, -15.34, -36.07
CIE _{LCh}	60, 39.191, 246.965
Y _{xy}	27.9606, 0.2015, 0.2449
Android (android.graphics.Color)	4278361039 (0xFF029BCF)
Y _{UV}	115.1810, 45.2668, -99.2597
Hunter-Lab	52.8778, -14.8648, -33.8671

Details

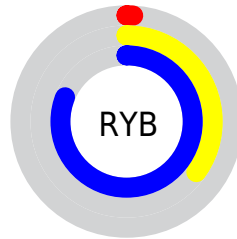
The XYZ color **23.0089, 27.9606, 63.2157** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.0651, 15.9130, 1.7039**, and the grayscale version is **16.2460, 17.0920, 18.6132**.

A 20% lighter version of the original color is **46.2173, 55.5876, 102.9013**, and **10.6178, 12.1676, 31.4947** is the 20% darker color. If you saturate the color by 10%, you get **22.8978, 27.7754, 63.1864**, and if you desaturate by 10%, it is **24.2251, 29.9139, 63.5292**.

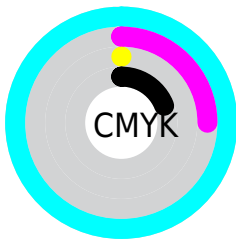
Distribution



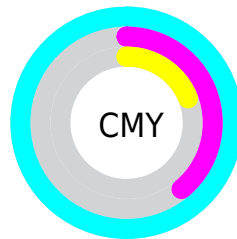
- Red (1%)
- Green (61%)
- Blue (81%)



- Red (1%)
- Yellow (35%)
- Blue (81%)



- Cyan (99%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)



- Cyan (99%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0089, 27.9606, 63.2157 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 23.0089, 27.9606, 63.2157 by changing the saturation by 10% instead.

■ 23.0089, 27.9606,
63.2157

■ 23.0089, 27.9606,
63.2157

260.3052,
292.2786, 454.4814

■ 14.7208, 18.2960,
45.5736

■ 47.8745, 56.4215,
111.0692

■ 8.7087, 11.1627,
31.5632

■ 65.1827, 75.9866,
142.1177

■ 4.6073, 6.1764,
20.7661

■ 86.2283, 99.6206,
178.4721

■ 2.0511, 2.9526,
12.7635

■ 111.3767,
127.7080, 220.5510

■ 0.6624, 1.1070,
7.1371

■ 140.9933,
160.6331, 268.7728

■ 0.0000, 0.0000,
3.4683

175.4433,

■ 0.0000, 0.0000,

198.7803, 323.5561

1.3384

215.0921,
242.5340, 385.3194

■ 0.0000, 0.0000,
0.0930

■ 0.0000, 0.0000,
0.0000

■ 23.0089, 27.9606,
63.2157

■ 23.0089, 27.9606,
63.2157

■ 22.8978, 27.7754,
63.1864

■ 24.2251, 29.9139,
63.5292

■ 25.8244, 32.1215,
63.8710

■ 27.9040, 34.6344,
64.2465

■ 30.5226, 37.4838,
64.6584

■ 33.7304, 40.6960,
65.1094

■ 37.5712, 44.2944,
65.6015

■ 42.0847, 48.3000,
66.1368

■ 47.3072, 52.7321,
66.7170

■ 53.2722, 57.6087,
67.3439

Harmonies

Analogous

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



19.6479, 27.9606, 50.0459



23.0089, 27.9606, 63.2157



27.7515, 27.9606, 66.4940

Triad

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



23.0089, 27.9606, 63.2157



37.2352, 27.9606, 27.2447



21.2334, 27.9606, 13.3942

Complementary

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



23.0089, 27.9606, 63.2157



27.0651, 15.9130, 1.7039

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.



25.4337, 27.9606, 10.5568



23.0089, 27.9606, 63.2157



34.9661, 27.9606, 16.7740

Square

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



23.0089, 27.9606, 63.2157



36.3761, 27.9606, 42.4587



30.4933, 27.9606, 11.5647



18.7156, 27.9606, 20.9415

Rectangle

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



23.0089, 27.9606, 63.2157



31.1489, 27.9606, 61.9336



30.4933, 27.9606, 11.5647



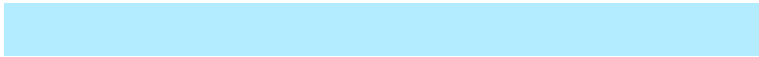
22.4736, 27.9606, 11.9857

Sweetspot

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



23.0099, 27.9615, 63.2164



66.4028, 76.4997, 105.8739



22.9880, 44.8990, 10.8579



13.5371, 15.7786, 22.5820



0.0000, 0.0000, 0.0000



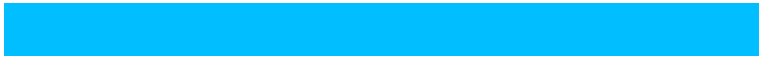
20.3446, 21.4041, 23.3091

Same Dimension

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



23.0099, 27.9615, 63.2164



36.5290, 44.1780, 101.2097



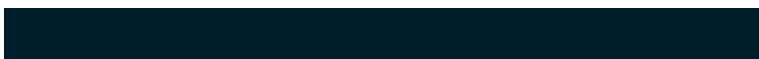
12.5746, 7.0909, 59.7380



11.8939, 12.8780, 15.1025



14.5056, 17.6578, 39.8363



0.8725, 1.1101, 2.2479

Inverse Universe

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



31.6712, 15.6767, 32.3678



50.5673, 24.9909, 51.0471



37.5924, 36.9676, 5.2130



12.1773, 11.9557, 14.2096



19.9525, 9.8538, 20.4538



1.1466, 0.5634, 1.3068

Previews

White Background



This preview shows how the XYZ color 23.0089, 27.9606, 63.2157 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 23.0089, 27.9606, 63.2157 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 23.0089, 27.9606, 63.2157

Background



This preview shows how black text looks on a background with the XYZ color 23.0089, 27.9606, 63.2157.

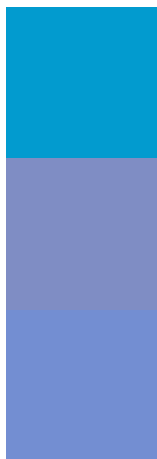


This preview shows how white text looks on a background with the XYZ color 23.0089, 27.9606,

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

23.0089, 27.9606, 63.2157

Protanopia

28.2411, 27.5473, 56.0532

Deuteranopia

28.3761, 27.6440, 64.8130



Tritanopia

19.8445, 27.7748, 43.3449

Trichromacy



Original Color

23.0089, 27.9606, 63.2157



Protanomaly

24.1839, 26.5217, 58.4882



Deuteranomaly

24.7664, 26.9267, 64.2137



Tritanomaly

20.9963, 27.9630, 50.1897

Monochromacy



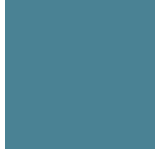
Original Color

23.0089, 27.9606, 63.2157



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

16.1520, 19.5592, 30.9410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0089, 27.9606, 63.2157 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(2, 155, 207)` looks like.

```
.text, #text, p{  
    color:rgb(2, 155, 207)  
}
```

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(2, 155, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 155, 207) }
```

Border

The CSS property to change the border of an element to XYZ 23.0089, 27.9606, 63.2157 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(2, 155, 207) }
```


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

```
.border{ border-color:rgb(2, 155, 207) }
```

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

Here you see how a box with a 4 pixel rgb(2, 155, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 155, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 155, 207);  
box-shadow:4px 4px 4px 4px rgb(2, 155,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0089, 27.9606, 63.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 155, 207) }
```

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

```
.background{ background-color: rgb(2, 155,  
207) }
```

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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