

Converting Colors

XYZ(22.7039, 27.3766, 90.0571)

Have a look what the booklet for
XYZ(22.7039, 27.3766, 90.0571)
contains.

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Color

**XYZ(28.2176, 30.3086,
89.9509)**

Conversions

Conversions Part 1

Format	Color
Hex	009CF4
RGB	0, 156, 244
RGB Percent	0%, 61%, 96%
CMY	0.9997, 0.3882, 0.0431
CMYK	1.00, 0.36, 0.00, 0.04
HSL	202°, 100%, 48%
HSV	202°, 100%, 96%
XYZ	28.2176, 30.3086, 89.9509
YIQ	119.3880, -121.2240, -5.7040

Conversions

Conversions Part 2

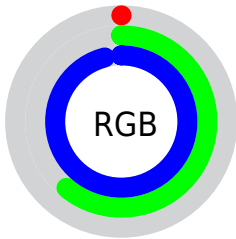
Format	Color
RYB	0, 95, 244
Decimal	40180
CIELab	61.92, -2.31, -53.32
CIELCh	62, 53.369, 267.521
Yxy	30.3086, 0.1900, 0.2041
Android (android.graphics.Color)	4278230260 (0xFF009CF4)
YUV	119.3880, 61.4337, -104.7033
Hunter-Lab	55.0532, -4.8528, -58.3360

Details

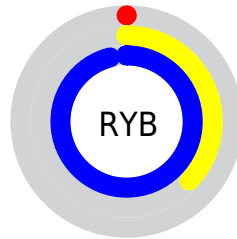
The XYZ color **28.2176, 30.3086, 89.9509** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **40.8042, 26.2239, 2.9130**, and the grayscale version is **17.5031, 18.4146, 20.0535**.

A 20% lighter version of the original color is **47.4033, 56.5644, 103.0273**, and **14.0212, 13.6910, 48.9173** is the 20% darker color. If you saturate the color by 10%, you get **28.2139, 30.3009, 89.9503**, and if you desaturate by 10%, it is **30.1369, 33.5712, 90.4802**.

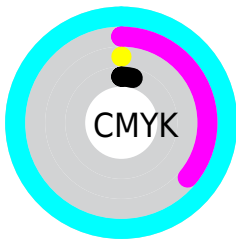
Distribution



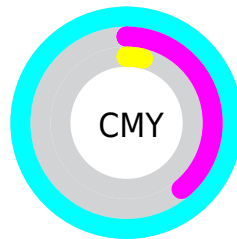
- Red (0%)
- Green (61%)
- Blue (96%)



- Red (0%)
- Yellow (37%)
- Blue (96%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (39%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2176, 30.3086, 89.9509 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 28.2176, 30.3086, 89.9509 by changing the saturation by 10% instead.

■ 28.2176, 30.3086,
89.9509

■ 28.2176, 30.3086,
89.9509

285.5665,
303.3403, 548.4371

■ 18.6310, 20.0729,
67.3664

■ 56.2379, 60.1499,
149.2051

■ 11.5064, 12.4481,
48.9190

■ 75.4023, 80.5243,
186.7119

■ 6.4783, 7.0496,
34.1901

■ 98.4901, 105.0470,
230.0300

■ 3.1815, 3.4931,
22.7611

■ 125.8666,
134.1026, 279.5778

■ 1.2504, 1.3943,
14.2136

■ 157.8971,
168.0753, 335.7738

■ 0.1456, 0.2125,
8.1289

194.9470,

■ 0.0000, 0.0000,

207.3495, 399.0367

4.0886

237.3817,
252.3097, 469.7849

■ 0.0000, 0.0000,
1.6741

■ 0.0000, 0.0000,
0.3429

■ 28.2176, 30.3086,
89.9509

■ 28.2176, 30.3086,
89.9509

■ 28.2139, 30.3009,
89.9503

■ 30.1369, 33.5712,
90.4802

■ 32.6496, 37.3015,
91.0678

■ 35.9090, 41.5822,
91.7222

■ 40.0074, 46.4636,
92.4484

■ 45.0223, 51.9890,
93.2506

■ 51.0220, 58.1963,
94.1325

■ 58.0677, 65.1198,
95.0976

■ 66.2152, 72.7913,
96.1489

■ 75.5164, 81.2401,
97.2894

Harmonies

Analogous

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



22.0445, 30.3086, 78.5393



28.2176, 30.3086, 89.9509



35.6303, 30.3086, 81.6104

Triad

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



28.2176, 30.3086, 89.9509



42.7829, 30.3086, 17.9595



18.7062, 30.3086, 16.0665

Complementary

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



28.2176, 30.3086, 89.9509



40.8042, 26.2239, 2.9130

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.



22.9164, 30.3086, 8.9670



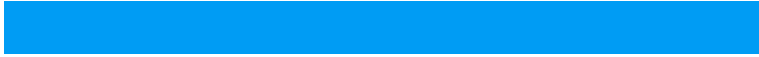
28.2176, 30.3086, 89.9509



36.8288, 30.3086, 9.6996

Square

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



28.2176, 30.3086, 89.9509



44.8205, 30.3086, 34.7311



29.4054, 30.3086, 7.2399



17.1504, 30.3086, 31.3291

Rectangle

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



28.2176, 30.3086, 89.9509



40.1690, 30.3086, 67.3229



29.4054, 30.3086, 7.2399



19.8198, 30.3086, 12.9293

Sweetspot

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



28.2188, 30.3095, 89.9517



64.1043, 71.9028, 105.1077



34.0092, 65.3653, 19.5115



12.9865, 14.6774, 22.3985



0.0000, 0.0000, 0.0000



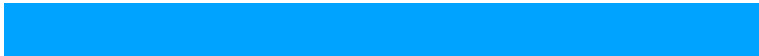
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2188, 30.3095, 89.9517



31.1486, 33.4173, 99.4162



16.9811, 7.8341, 86.2058



16.4646, 17.6935, 21.0900



15.4752, 16.7442, 48.9544



1.4573, 1.6661, 4.3350

Inverse Universe

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



43.3101, 21.6351, 33.3464



47.8516, 23.9046, 36.7461



59.7214, 64.0584, 9.2188



16.9451, 16.6609, 19.4574



23.6157, 11.7897, 18.4824



2.1247, 1.0558, 1.8828

Previews

White Background



This preview shows how the XYZ color 28.2176, 30.3086, 89.9509 looks on a white background.

Color Contrast Check

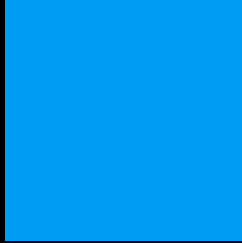
Large Text (above 18pt) WCAG AA × Fail

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 28.2176, 30.3086, 89.9509 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 ✓ Pass

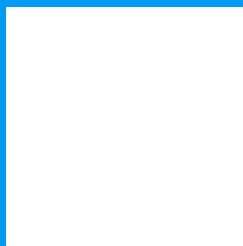
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2176, 30.3086, 89.9509

Background



This preview shows how black text looks on a background with the XYZ color 28.2176, 30.3086, 89.9509.



This preview shows how white text looks on a background with the XYZ color 28.2176, 30.3086,

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

28.2176, 30.3086, 89.9509

Protanopia

32.3445, 30.2008, 82.7219

Deuteranopia

31.3787, 30.4449, 91.4114



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

28.2176, 30.3086, 89.9509

Protanomaly

29.0866, 29.4022, 85.0311

Deuteranomaly

29.2852, 29.8613, 90.6065

Tritanomaly

23.4629, 30.0577, 59.8234

Monochromacy



Original Color

28.2176, 30.3086, 89.9509

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.9326, 20.7194, 38.1760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2176, 30.3086, 89.9509 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, 156, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 244)  
}
```

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, 156, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 244) }
```

Border

The CSS property to change the border of an element to XYZ 28.2176, 30.3086, 89.9509 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, 156, 244) }
```


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

```
.border{ border-color:rgb(0, 156, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2176, 30.3086, 89.9509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 244) }
```

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

```
.background{ background-color: rgb(0, 156,  
244) }
```

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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