

Converting Colors

XYZ(16.7236, 24.5161, 89.0341)

Have a look what the booklet for
XYZ(16.7236, 24.5161, 89.0341)
contains.

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Color

**XYZ(28.0661, 30.2480,
89.1532)**

Conversions

Conversions Part 1

Format	Color
Hex	009CF3
RGB	0, 156, 243
RGB Percent	0%, 61%, 95%
CMY	0.9997, 0.3882, 0.0471
CMYK	1.00, 0.36, 0.00, 0.05
HSL	201°, 100%, 48%
HSV	201°, 100%, 95%
XYZ	28.0661, 30.2480, 89.1532
YIQ	119.2740, -120.9030, -6.0150

Conversions

Conversions Part 2

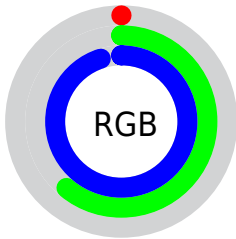
Format	Color
RYB	0, 95, 243
Decimal	40179
CIELab	61.87, -2.68, -52.85
CIELCh	62, 52.920, 267.095
Yxy	30.2480, 0.1903, 0.2051
Android (android.graphics.Color)	4278230259 (0xFF009CF3)
YUV	119.2740, 60.9969, -104.6033
Hunter-Lab	54.9982, -5.1566, -57.6116

Details

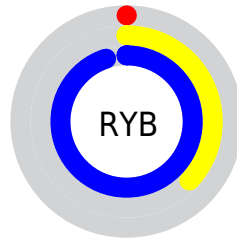
The XYZ color **28.0661, 30.2480, 89.1532** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **40.3763, 25.8819, 2.8695**, and the grayscale version is **17.4682, 18.3779, 20.0135**.

A 20% lighter version of the original color is **47.4033, 56.5644, 103.0273**, and **13.9145, 13.6483, 48.3554** is the 20% darker color. If you saturate the color by 10%, you get **28.0625, 30.2406, 89.1526**, and if you desaturate by 10%, it is **29.9650, 33.4733, 89.6763**.

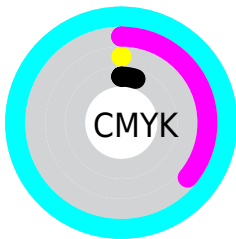
Distribution



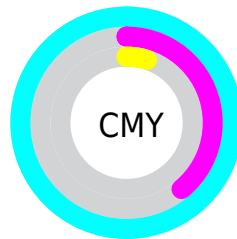
- Red (0%)
- Green (61%)
- Blue (95%)



- Red (0%)
- Yellow (37%)
- Blue (95%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (39%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0661, 30.2480, 89.1532 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 28.0661, 30.2480, 89.1532 by changing the saturation by 10% instead.

■ 28.0661, 30.2480,
89.1532

■ 28.0661, 30.2480,
89.1532

284.8570,
303.0587, 545.7712

■ 18.5162, 20.0269,
66.7088

■ 55.9979, 60.0542,
148.0868

■ 11.4232, 12.4146,
48.3879

■ 75.1104, 80.4080,
185.4131

■ 6.4216, 7.0267,
33.7720

■ 98.1413, 104.9082,
228.5371

■ 3.1462, 3.4788,
22.4425

■ 125.4557,
133.9392, 277.8773

■ 1.2315, 1.3865,
13.9810

■ 157.4192,
167.8854, 333.8522

■ 0.1310, 0.2068,
7.9689

194.3970,

■ 0.0000, 0.0000,

207.1311, 396.8805

3.9875

236.7545,
252.0607, 467.3807

■ 0.0000, 0.0000,
1.6185

■ 0.0000, 0.0000,
0.3040

■ 28.0661, 30.2480,
89.1532

■ 28.0661, 30.2480,
89.1532

■ 28.0625, 30.2406,
89.1526

■ 29.9650, 33.4733,
89.6763

■ 32.4499, 37.1589,
90.2568

■ 35.6730, 41.3865,
90.9029

■ 39.7255, 46.2062,
91.6196

■ 44.6841, 51.6603,
92.4110

■ 50.6164, 57.7866,
93.2808

■ 57.5829, 64.6189,
94.2324

■ 65.6389, 72.1884,
95.2689

■ 74.8356, 80.5242,
96.3931

Harmonies

Analogous

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



21.9769, 30.2480, 77.6483



28.0661, 30.2480, 89.1532



35.3992, 30.2480, 81.1975

Triad

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



28.0661, 30.2480, 89.1532



42.6353, 30.2480, 18.1902



18.7772, 30.2480, 15.9845

Complementary

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



28.0661, 30.2480, 89.1532



40.3763, 25.8819, 2.8695

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.



22.9901, 30.2480, 9.0065



28.0661, 30.2480, 89.1532



36.7883, 30.2480, 9.8640

Square

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



28.0661, 30.2480, 89.1532



44.5823, 30.2480, 34.9485



29.4445, 30.2480, 7.3415



17.1947, 30.2480, 31.0003

Rectangle

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



28.0661, 30.2480, 89.1532



39.9056, 30.2480, 67.2007



29.4445, 30.2480, 7.3415



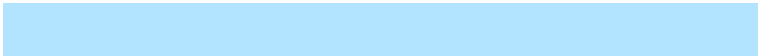
19.8949, 30.2480, 12.8993

Sweetspot

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



28.0673, 30.2489, 89.1540



64.1596, 72.0134, 105.1261



33.6950, 64.7595, 19.3376



12.9997, 14.7038, 22.4029



0.0000, 0.0000, 0.0000



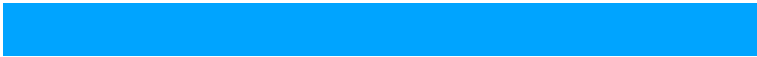
20.3446, 21.4041, 23.3091

Same Dimension

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



28.0673, 30.2489, 89.1540



31.2683, 33.6565, 99.4561



16.8249, 7.7641, 85.4065



16.4684, 17.7011, 21.0912



15.5337, 16.8613, 48.9739



1.4622, 1.6759, 4.3366

Inverse Universe

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



42.9640, 21.4566, 33.3302



47.9120, 23.9288, 37.0641



59.1693, 63.4680, 9.1339



16.9470, 16.6617, 19.4675



23.6452, 11.8015, 18.6380



2.1271, 1.0568, 1.8958

Previews

White Background



This preview shows how the XYZ color 28.0661, 30.2480, 89.1532 looks on a white background.

Color Contrast Check

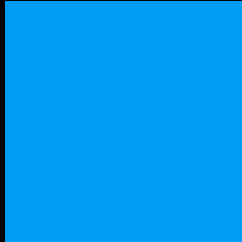
Large Text (above 18pt) WCAG AA × Fail

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 28.0661, 30.2480, 89.1532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

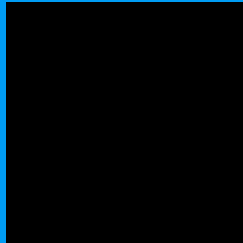
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

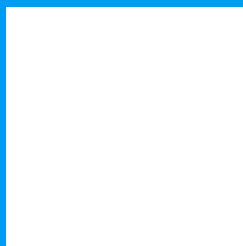
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0661, 30.2480, 89.1532

Background



This preview shows how black text looks on a background with the XYZ color 28.0661, 30.2480, 89.1532.



This preview shows how white text looks on a background with the XYZ color 28.0661, 30.2480,

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

28.0661, 30.2480, 89.1532

Protanopia

32.3326, 30.2113, 81.9692

Deuteranopia

31.1594, 30.1137, 90.5565



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

28.0661, 30.2480, 89.1532

Protanomaly

29.0164, 29.3830, 84.2629

Deuteranomaly

29.1329, 29.8004, 89.8045

Tritanomaly

23.4629, 30.0577, 59.8234

Monochromacy



Original Color

28.0661, 30.2480, 89.1532

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 28.0661, 30.2480, 89.1532 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 243) }
```

Border

The CSS property to change the border of an element to XYZ 28.0661, 30.2480, 89.1532 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, 243) }
```


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

```
.border{ border-color:rgb(0, 156, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0661, 30.2480, 89.1532 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, 243) }
```

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

```
.background{ background-color: rgb(0, 156,  
243) }
```

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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