

Converting Colors

XYZ(8.2547, 20.6347, 87.4680)

Have a look what the booklet for
XYZ(8.2547, 20.6347, 87.4680)
contains.

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Color

**XYZ(28.2539, 30.8645,
88.4727)**

Conversions

Conversions Part 1

Format	Color
Hex	009EF2
RGB	0, 158, 242
RGB Percent	0%, 62%, 95%
CMY	0.9997, 0.3804, 0.0510
CMYK	1.00, 0.35, 0.00, 0.05
HSL	201°, 100%, 47%
HSV	201°, 100%, 95%
XYZ	28.2539, 30.8645, 88.4727
YIQ	120.3340, -121.1320, -7.3720

Conversions

Conversions Part 2

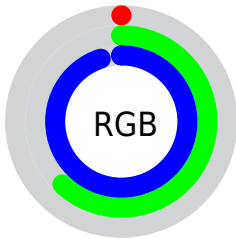
Format	Color
RYB	0, 96, 242
Decimal	40690
CIELab	62.39, -4.21, -51.47
CIELCh	62, 51.640, 265.328
Yxy	30.8645, 0.1914, 0.2091
Android (android.graphics.Color)	4278230770 (0xFF009EF2)
YUV	120.3340, 59.9813, -105.5329
Hunter-Lab	55.5558, -6.4434, -55.5303

Details

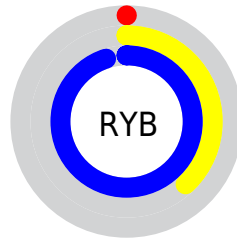
The XYZ color **28.2539, 30.8645, 88.4727** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **39.7945, 25.2294, 2.7744**, and the grayscale version is **17.8084, 18.7359, 20.4034**.

A 20% lighter version of the original color is **47.9002, 57.5582, 103.1930**, and **14.0147, 14.0182, 47.8661** is the 20% darker color. If you saturate the color by 10%, you get **28.2499, 30.8565, 88.4720**, and if you desaturate by 10%, it is **30.1201, 34.0279, 88.9856**.

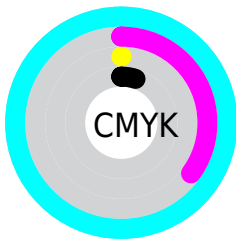
Distribution



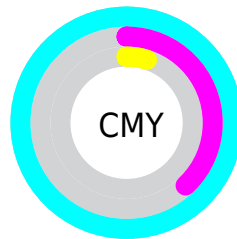
- Red (0%)
- Green (62%)
- Blue (95%)



- Red (0%)
- Yellow (38%)
- Blue (95%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2539, 30.8645, 88.4727 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 28.2539, 30.8645, 88.4727 by changing the saturation by 10% instead.

■ 28.2539, 30.8645,
88.4727

■ 28.2539, 30.8645,
88.4727

285.7363,
305.9136, 543.4914

■ 18.6586, 20.4957,
66.1481

■ 56.2954, 61.0267,
147.1320

■ 11.5264, 12.7559,
47.9354

■ 75.4722, 81.5888,
184.3037

■ 6.4919, 7.2607,
33.4161

■ 98.5736, 106.3176,
227.2616

■ 3.1899, 3.6256,
22.1717

■ 125.9649,
135.5973, 276.4241

■ 1.2550, 1.4664,
13.7836

■ 158.0115,
169.8123, 332.2098

■ 0.1491, 0.2649,
7.8333

195.0787,

■ 0.0000, 0.0000,

209.3471, 395.0372

3.9022

237.5318,
254.5861, 465.3249

■ 0.0000, 0.0000,
1.5718

■ 0.0000, 0.0000,
0.2706

■ 28.2539, 30.8645,
88.4727

■ 28.2539, 30.8645,
88.4727

■ 28.2499, 30.8565,
88.4720

■ 30.1201, 34.0279,
88.9856

■ 32.5607, 37.6353,
89.5533

■ 35.7266, 41.7677,
90.1841

■ 39.7077, 46.4740,
90.8826

■ 44.5799, 51.7959,
91.6531

■ 50.4098, 57.7703,
92.4990

■ 57.2570, 64.4305,
93.4236

■ 65.1764, 71.8069,
94.4300

■ 74.2183, 79.9282,
95.5210

Harmonies

Analogous

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



22.3304, 30.8645, 76.2824



28.2539, 30.8645, 88.4727



35.4741, 30.8645, 81.8305

Triad

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



28.2539, 30.8645, 88.4727



43.2494, 30.8645, 19.6742



19.6063, 30.8645, 16.1111

Complementary

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



28.2539, 30.8645, 88.4727



39.7945, 25.2294, 2.7744

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.



23.9499, 30.8645, 9.4290



28.2539, 30.8645, 88.4727



37.6715, 30.8645, 10.8386

Square

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



28.2539, 30.8645, 88.4727



44.8865, 30.8645, 36.8422



30.4449, 30.8645, 7.9784



17.8688, 30.8645, 30.5655

Rectangle

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



28.2539, 30.8645, 88.4727



39.9778, 30.8645, 68.6126



30.4449, 30.8645, 7.9784



20.7728, 30.8645, 13.1482

Sweetspot

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



28.2551, 30.8655, 88.4735



64.3893, 72.4727, 105.2027



33.2278, 64.0951, 18.3490



13.0545, 14.8135, 22.4212



0.0000, 0.0000, 0.0000



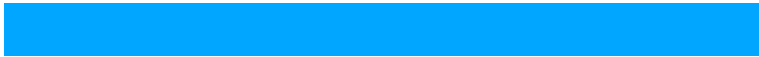
20.3446, 21.4041, 23.3091

Same Dimension

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



28.2551, 30.8655, 88.4735



31.7703, 34.6607, 99.6234



16.8002, 7.9556, 84.6552



15.7586, 16.9512, 20.1630



15.3086, 16.8414, 47.5717



1.3661, 1.5862, 3.9884

Inverse Universe

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



42.7907, 21.3476, 34.2135



48.1654, 24.0302, 38.3986



57.6640, 60.9683, 8.7309



16.2076, 15.9327, 18.6493



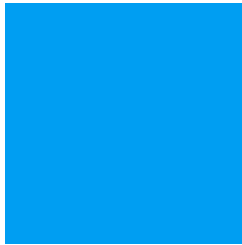
23.0527, 11.4935, 18.7259



1.9645, 0.9748, 1.8039

Previews

White Background



This preview shows how the XYZ color 28.2539, 30.8645, 88.4727 looks on a white background.

Color Contrast Check

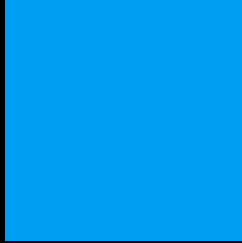
Large Text (above 18pt) WCAG AA × Fail

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 28.2539, 30.8645, 88.4727 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

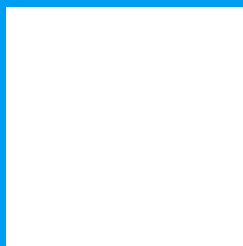
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2539, 30.8645, 88.4727

Background



This preview shows how black text looks on a background with the XYZ color 28.2539, 30.8645, 88.4727.



This preview shows how white text looks on a background with the XYZ color 28.2539, 30.8645,

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

28.2539, 30.8645, 88.4727

Protanopia

32.6070, 30.6156, 80.5348

Deuteranopia

31.9099, 30.9920, 89.8882



Tritanopia

21.9554, 30.8921, 47.4534

Trichromacy



Original Color

28.2539, 30.8645, 88.4727

Protanomaly

29.1874, 29.7258, 83.5562

Deuteranomaly

29.5369, 30.5121, 89.1267

Tritanomaly

23.9361, 30.8152, 60.5635

Monochromacy



Original Color

28.2539, 30.8645, 88.4727

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2064, 21.2670, 38.2673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2539, 30.8645, 88.4727 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, 158, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 242)  
}
```

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, 158, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 242) }
```

Border

The CSS property to change the border of an element to XYZ 28.2539, 30.8645, 88.4727 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, 158, 242) }
```


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

```
.border{ border-color:rgb(0, 158, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2539, 30.8645, 88.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 242) }
```

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

```
.background{ background-color: rgb(0, 158,  
242) }
```

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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