

Converting Colors

XYZ(27.1571, 29.8214, 84.5605)

Have a look what the booklet for
XYZ(27.1571, 29.8214, 84.5605)
contains.

XYZ(27.1745, 29.8914, 84.4581)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.1745, 29.8914,
84.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	009CED
RGB	0, 156, 237
RGB Percent	0%, 61%, 93%
CMY	0.9998, 0.3882, 0.0706
CMYK	1.00, 0.34, 0.00, 0.07
HSL	201°, 100%, 46%
HSV	201°, 100%, 93%
XYZ	27.1745, 29.8914, 84.4581
YIQ	118.5900, -118.9770, -7.8810

Conversions

Conversions Part 2

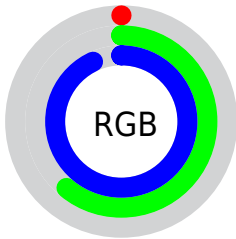
Format	Color
RYB	0, 94, 237
Decimal	40173
CIELab	61.56, -4.92, -50.04
CIELCh	62, 50.279, 264.383
Yxy	29.8914, 0.1920, 0.2112
Android (android.graphics.Color)	4278230253 (0xFF009CED)
YUV	118.5900, 58.3761, -104.0034
Hunter-Lab	54.6730, -6.9568, -53.3192

Details

The XYZ color **27.1745, 29.8914, 84.4581** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **37.8725, 23.8984, 2.6185**, and the grayscale version is **17.2601, 18.1589, 19.7751**.

A 20% lighter version of the original color is **47.2809, 56.5013, 103.0216**, and **13.3921, 13.4393, 45.6043** is the 20% darker color. If you saturate the color by 10%, you get **27.1715, 29.8851, 84.4577**, and if you desaturate by 10%, it is **28.9512, 32.8938, 84.9446**.

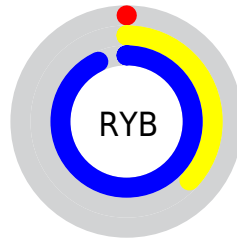
Distribution



Red (0%)

Green (61%)

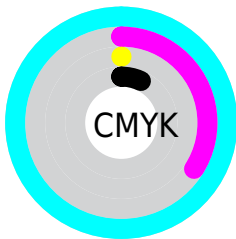
Blue (93%)



Red (0%)

Yellow (37%)

Blue (93%)

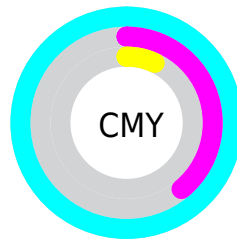


Cyan (100%)

Magenta (34%)

Yellow (0%)

Black (7%)



Cyan (100%)

Magenta (39%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1745, 29.8914, 84.4581 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 27.1745, 29.8914, 84.4581 by changing the saturation by 10% instead.

■ 27.1745, 29.8914,
84.4581

■ 27.1745, 29.8914,
84.4581

280.6532,
301.3979, 529.9310

■ 17.8416, 19.7562,
62.8461

■ 54.5817, 59.4904,
141.4832

■ 10.9353, 12.2179,
45.2766

■ 73.3866, 79.7229,
177.7335

■ 6.0903, 6.8923,
31.3308

■ 96.0797, 104.0901,
219.7003

■ 2.9413, 3.3948,
20.5903

■ 123.0261,
132.9761, 267.8022

■ 1.1228, 1.3412,
12.6365

■ 154.5913,
166.7656, 322.4576

■ 0.0440, 0.1727,
7.0510

191.1407,

■ 0.0000, 0.0000,

205.8427, 384.0852

3.4151

233.0395,
250.5921, 453.1035

■ 0.0000, 0.0000,
1.3103

■ 0.0000, 0.0000,
0.0702

■ 27.1745, 29.8914,
84.4581

■ 27.1745, 29.8914,
84.4581

■ 27.1715, 29.8851,
84.4577

■ 28.9512, 32.8938,
84.9446

■ 31.2715, 36.3132,
85.4824

■ 34.2799, 40.2270,
86.0792

■ 38.0618, 44.6815,
86.7397

■ 42.6892, 49.7164,
87.4676

■ 48.2252, 55.3662,
88.2664

■ 54.7265, 61.6626,
89.1391

■ 62.2449, 68.6345,
90.0885

■ 70.8285, 76.3086,
91.1174

Harmonies

Analogous

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



21.5804, 29.8914, 72.4416



27.1745, 29.8914, 84.4581



34.0381, 29.8914, 78.7419

Triad

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



27.1745, 29.8914, 84.4581



41.7586, 29.8914, 19.6218



19.2124, 29.8914, 15.5066

Complementary

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



27.1745, 29.8914, 84.4581



37.8725, 23.8984, 2.6185

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.



23.4408, 29.8914, 9.2530



27.1745, 29.8914, 84.4581



36.5490, 29.8914, 10.8953

Square

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



27.1745, 29.8914, 84.4581



43.1726, 29.8914, 36.2741



29.6842, 29.8914, 7.9771



17.4679, 29.8914, 29.0837

Rectangle

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



27.1745, 29.8914, 84.4581



38.3531, 29.8914, 66.4658



29.6842, 29.8914, 7.9771



20.3550, 29.8914, 12.7282

Sweetspot

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



27.1757, 29.8923, 84.4589



64.5024, 72.6989, 105.2404



31.6979, 61.1343, 17.5343



13.0815, 14.8675, 22.4302



0.0000, 0.0000, 0.0000



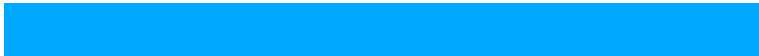
20.3446, 21.4041, 23.3091

Same Dimension

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



27.1757, 29.8923, 84.4589



32.0208, 35.1615, 99.7069



16.0306, 7.6023, 80.7439



15.0590, 16.2044, 19.2563



14.9612, 16.5694, 46.1526



1.2636, 1.4786, 3.6537

Inverse Universe

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



40.9269, 20.4063, 33.2349



48.2918, 24.0807, 39.0643



55.0081, 58.1696, 8.3303



15.4833, 15.2212, 17.8305



22.4070, 11.1655, 18.4765



1.8043, 0.8947, 1.6867

Previews

White Background



This preview shows how the XYZ color 27.1745, 29.8914, 84.4581 looks on a white background.

Color Contrast Check

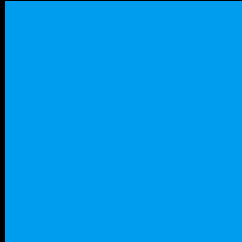
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1745, 29.8914, 84.4581 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

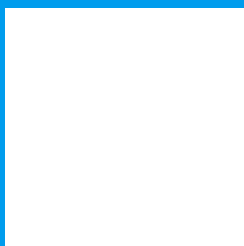
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1745, 29.8914, 84.4581

Background



This preview shows how black text looks on a background with the XYZ color 27.1745, 29.8914, 84.4581.

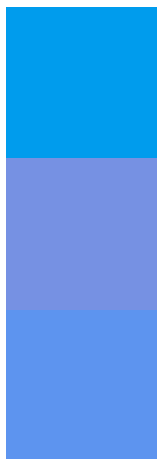


This preview shows how white text looks on a background with the XYZ color 27.1745, 29.8914,

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

27.1745, 29.8914, 84.4581

Protanopia

31.4617, 29.6484, 76.7375

Deuteranopia

30.6841, 29.7390, 85.7843



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

27.1745, 29.8914, 84.4581



Protanomaly

28.0729, 28.7603, 79.6730



Deuteranomaly

28.3029, 29.2361, 85.0403



Tritanomaly

22.9379, 29.5670, 57.9241

Monochromacy



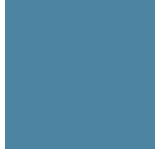
Original Color

27.1745, 29.8914, 84.4581



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

17.7533, 20.6477, 37.2321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1745, 29.8914, 84.4581 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 237) }
```

Border

The CSS property to change the border of an element to XYZ 27.1745, 29.8914, 84.4581 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, 237) }
```


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

```
.border{ border-color:rgb(0, 156, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1745, 29.8914, 84.4581 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, 237) }
```

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

```
.background{ background-color: rgb(0, 156,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor