

Converting Colors

XYZ(24.0500, 28.7881, 67.5529)

Have a look what the booklet for
XYZ(24.0500, 28.7881, 67.5529)
contains.

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Color

**XYZ(24.0672, 28.9180,
67.2641)**

Conversions

Conversions Part 1

Format	Color
Hex	009DD5
RGB	0, 157, 213
RGB Percent	0%, 62%, 84%
CMY	0.9998, 0.3843, 0.1647
CMYK	1.00, 0.26, 0.00, 0.16
HSL	196°, 100%, 42%
HSV	196°, 100%, 84%
XYZ	24.0672, 28.9180, 67.2641
YIQ	116.4410, -111.5480, -15.8680

Conversions

Conversions Part 2

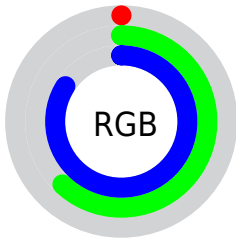
Format	Color
RYB	0, 90, 213
Decimal	40405
CIELab	60.71, -14.32, -38.08
CIELCh	61, 40.681, 249.392
Yxy	28.9180, 0.2001, 0.2405
Android (android.graphics.Color)	4278230485 (0xFF009DD5)
YUV	116.4410, 47.6036, -102.1188
Hunter-Lab	53.7755, -14.2194, -36.5190

Details

The XYZ color **24.0672, 28.9180, 67.2641** 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 **28.8577, 16.9796, 1.7579**, and the grayscale version is **16.6236, 17.4893, 19.0459**.

A 20% lighter version of the original color is **47.0730, 57.1317, 103.1543**, and **11.3256, 12.7767, 34.2170** is the 20% darker color. If you saturate the color by 10%, you get **24.0654, 28.9141, 67.2641**, and if you desaturate by 10%, it is **25.3539, 31.0210, 67.6028**.

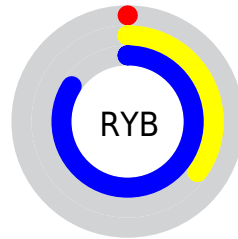
Distribution



Red (0%)

Green (62%)

Blue (84%)



Red (0%)

Yellow (35%)

Blue (84%)

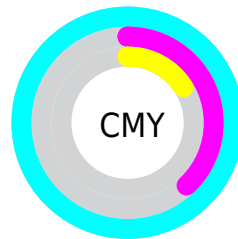


Cyan (100%)

Magenta (26%)

Yellow (0%)

Black (16%)



Cyan (100%)

Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0672, 28.9180, 67.2641 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 24.0672, 28.9180, 67.2641 by changing the saturation by 10% instead.

■ 24.0672, 28.9180,
67.2641

■ 24.0672, 28.9180,
67.2641

265.5942,
296.8279, 469.4113

■ 15.5085, 19.0188,
48.8363

■ 49.5937, 57.9468,
116.9430

■ 9.2657, 11.6839,
34.1250

■ 67.2922, 77.8451,
149.0312

■ 4.9734, 6.5288,
22.7115

■ 88.7680, 101.8454,
186.5100

■ 2.2662, 3.1692,
14.1773

■ 114.3865,
130.3318, 229.7979

■ 0.7773, 1.2207,
8.1039

■ 144.5130,
163.6889, 279.3134

■ 0.0000, 0.0785,
4.0728

179.5129,

■ 0.0000, 0.0000,

202.3010, 335.4751

1.6654

219.7515,
246.5525, 398.7016

■ 0.0000, 0.0000,
0.3368

■ 0.0000, 0.0000,
0.0000

■ 24.0672, 28.9180,
67.2641

■ 24.0672, 28.9180,
67.2641

■ 24.0654, 28.9141,
67.2641

■ 25.3539, 31.0210,
67.6028

■ 27.0324, 33.3909,
67.9718

■ 29.2200, 36.0895,
68.3774

■ 31.9813, 39.1507,
68.8227

■ 35.3706, 42.6035,
69.3105

■ 39.4358, 46.4732,
69.8432

■ 44.2199, 50.7828,
70.4229

■ 49.7621, 55.5534,
71.0516

■ 56.0988, 60.8043,
71.7311

Harmonies

Analogous

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



20.3671, 28.9180, 53.7593



24.0672, 28.9180, 67.2641



29.1747, 28.9180, 69.7317

Triad

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



24.0672, 28.9180, 67.2641



38.7591, 28.9180, 26.9795



21.5370, 28.9180, 13.9470

Complementary

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



24.0672, 28.9180, 67.2641



28.8577, 16.9796, 1.7579

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.



25.8632, 28.9180, 10.6402



24.0672, 28.9180, 67.2641



36.0954, 28.9180, 16.4130

Square

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



24.0672, 28.9180, 67.2641



38.1173, 28.9180, 42.8607



31.2135, 28.9180, 11.3694



19.0413, 28.9180, 22.3272

Rectangle

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



24.0672, 28.9180, 67.2641



32.7715, 28.9180, 64.1928



31.2135, 28.9180, 11.3694



22.8012, 28.9180, 12.3498

Sweetspot

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



24.0682, 28.9190, 67.2648



66.1998, 76.0938, 105.8062



24.4444, 47.8490, 11.3505



13.4883, 15.6810, 22.5658



0.0000, 0.0000, 0.0000



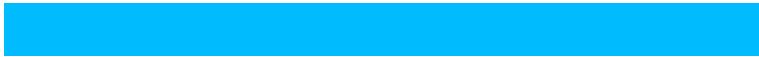
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0682, 28.9190, 67.2648



36.0210, 43.1620, 101.0403



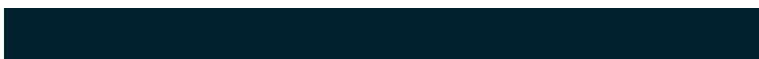
13.2973, 7.3770, 63.6745



12.5030, 13.5295, 15.8900



14.7872, 17.8363, 41.1165



0.9577, 1.2073, 2.5019

Inverse Universe

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



33.5274, 16.5818, 33.3325



50.3109, 24.8884, 49.6969



39.9710, 39.2061, 5.4623



12.8071, 12.5743, 14.9244



20.5228, 10.1454, 20.5888



1.2710, 0.6252, 1.4166

Previews

White Background



This preview shows how the XYZ color 24.0672, 28.9180, 67.2641 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 24.0672, 28.9180, 67.2641 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

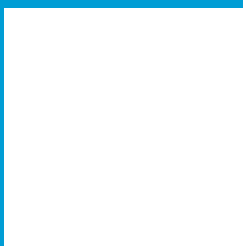
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0672, 28.9180, 67.2641

Background



This preview shows how black text looks on a background with the XYZ color 24.0672, 28.9180, 67.2641.

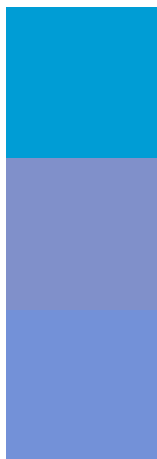


This preview shows how white text looks on a background with the XYZ color 24.0672, 28.9180,

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

24.0672, 28.9180, 67.2641

Protanopia

29.5360, 28.8000, 59.8794

Deuteranopia

29.5903, 28.8535, 68.9755



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

24.0672, 28.9180, 67.2641



Protanomaly

25.2814, 27.7005, 62.4068



Deuteranomaly

25.7608, 27.8177, 68.3016



Tritanomaly

21.6479, 28.7725, 51.9896

Monochromacy



Original Color

24.0672, 28.9180, 67.2641



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.5263, 19.9228, 32.2526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0672, 28.9180, 67.2641 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, 157, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 213)  
}
```

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, 157, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 213) }
```

Border

The CSS property to change the border of an element to XYZ 24.0672, 28.9180, 67.2641 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, 157, 213) }
```


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

```
.border{ border-color:rgb(0, 157, 213) }
```

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

Here you see how a box with a 4 pixel rgb(0, 157, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0672, 28.9180, 67.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 213) }
```

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

```
.background{ background-color: rgb(0, 157,  
213) }
```

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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