

Converting Colors

XYZ(24.2658, 29.5884, 66.4883)

Have a look what the booklet for
XYZ(24.2658, 29.5884, 66.4883)
contains.

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Color

**XYZ(24.2818, 29.5497,
66.7112)**

Conversions

Conversions Part 1

Format	Color
Hex	009FD4
RGB	0, 159, 212
RGB Percent	0%, 62%, 83%
CMY	0.9998, 0.3765, 0.1686
CMYK	1.00, 0.25, 0.00, 0.17
HSL	195°, 100%, 42%
HSV	195°, 100%, 83%
XYZ	24.2818, 29.5497, 66.7112
YIQ	117.5010, -111.7770, -17.2250

Conversions

Conversions Part 2

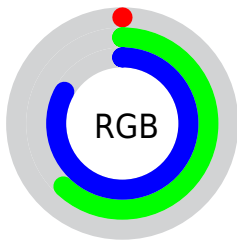
Format	Color
RYB	0, 91, 212
Decimal	40916
CIELab	61.26, -15.77, -36.65
CIElCh	61, 39.903, 246.718
Yxy	29.5497, 0.2014, 0.2451
Android (android.graphics.Color)	4278230996 (0xFF009FD4)
YUV	117.5010, 46.5880, -103.0484
Hunter-Lab	54.3596, -15.3955, -34.7101

Details

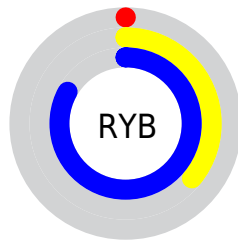
The XYZ color **24.2818, 29.5497, 66.7112** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.4274, 16.5482, 1.6974**, and the grayscale version is **16.9538, 17.8367, 19.4242**.

A 20% lighter version of the original color is **47.5761, 58.1379, 103.3220**, and **11.4484, 13.1594, 33.8349** is the 20% darker color. If you saturate the color by 10%, you get **24.2799, 29.5458, 66.7112**, and if you desaturate by 10%, it is **25.5282, 31.5752, 67.0371**.

Distribution



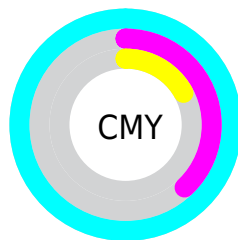
- Red (0%)
- Green (62%)
- Blue (83%)



- Red (0%)
- Yellow (36%)
- Blue (83%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (38%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2818, 29.5497, 66.7112 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 24.2818, 29.5497, 66.7112 by changing the saturation by 10% instead.

■ 24.2818, 29.5497,
66.7112

■ 24.2818, 29.5497,
66.7112

266.6562,
299.7998, 467.3896

■ 15.6687, 19.4971,
48.3898

■ 49.9410, 58.9493,
116.1432

■ 9.3794, 12.0300,
33.7735

■ 67.7178, 79.0651,
148.0909

■ 5.0485, 6.7641,
22.4437

■ 89.2798, 103.3040,
185.4179

■ 2.3108, 3.3150,
13.9819

■ 114.9924,
132.0505, 228.5426

■ 0.8002, 1.2983,
7.9695

■ 145.2210,
165.6889, 277.8835

■ 0.0000, 0.1399,
3.9879

180.3310,

■ 0.0000, 0.0000,

204.6037, 333.8593

1.6187

220.6876,
249.1792, 396.8885

■ 0.0000, 0.0000,
0.3041

■ 0.0000, 0.0000,
0.0000

■ 24.2818, 29.5497,
66.7112

■ 24.2818, 29.5497,
66.7112

■ 24.2799, 29.5458,
66.7112

■ 25.5282, 31.5752,
67.0371

■ 27.1579, 33.8566,
67.3915

■ 29.2872, 36.4550,
67.7809

■ 31.9798, 39.4039,
68.2081

■ 35.2893, 42.7317,
68.6760

■ 39.2631, 46.4634,
69.1869

■ 43.9435, 50.6214,
69.7428

■ 49.3692, 55.2264,
70.3457

■ 55.5761, 60.2975,
70.9973

Harmonies

Analogous

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



20.7460, 29.5497, 52.7418



24.2818, 29.5497, 66.7112



29.2838, 29.5497, 70.2782

Triad

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



24.2818, 29.5497, 66.7112



39.3528, 29.5497, 28.9093



22.4722, 29.5497, 14.1178

Complementary

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



24.2818, 29.5497, 66.7112



28.4274, 16.5482, 1.6974

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.



26.9215, 29.5497, 11.1552



24.2818, 29.5497, 66.7112



36.9807, 29.5497, 17.7991

Square

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



24.2818, 29.5497, 66.7112



38.4177, 29.5497, 45.0089



32.2683, 29.5497, 12.2533



19.7958, 29.5497, 22.0463

Rectangle

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



24.2818, 29.5497, 66.7112



32.8740, 29.5497, 65.5267



32.2683, 29.5497, 12.2533



23.7872, 29.5497, 12.6424

Sweetspot

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



24.2829, 29.5507, 66.7119



66.4833, 76.6607, 105.9007



24.1879, 47.3452, 11.2366



13.5564, 15.8173, 22.5885



0.0000, 0.0000, 0.0000



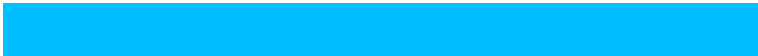
20.3446, 21.4041, 23.3091

Same Dimension

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



24.2829, 29.5507, 66.7119



36.7322, 44.5844, 101.2774



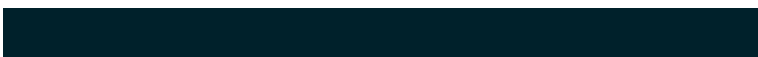
13.1593, 7.3037, 63.0041



12.5170, 13.5574, 15.8946



15.0722, 18.4062, 41.2115



0.9729, 1.2377, 2.5069

Inverse Universe

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



33.4104, 16.5016, 34.2258



50.6699, 25.0320, 51.5872



39.5524, 38.7983, 5.4057



12.8142, 12.5772, 14.9616



20.6666, 10.2030, 21.3463



1.2787, 0.6283, 1.4570

Previews

White Background



This preview shows how the XYZ color 24.2818, 29.5497, 66.7112 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 24.2818, 29.5497, 66.7112 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

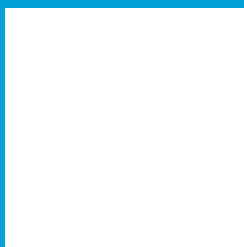
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2818, 29.5497, 66.7112

Background



This preview shows how black text looks on a background with the XYZ color 24.2818, 29.5497, 66.7112.

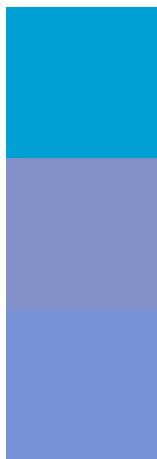


This preview shows how white text looks on a background with the XYZ color 24.2818, 29.5497,

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

24.2818, 29.5497, 66.7112

Protanopia

30.0281, 29.2931, 59.3298

Deuteranopia

30.1524, 29.3860, 68.3728



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



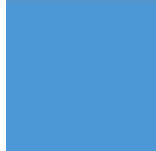
Original Color

24.2818, 29.5497, 66.7112



Protanomaly

25.4931, 28.0595, 61.8300



Deuteranomaly

26.1847, 28.5248, 67.7441



Tritanomaly

22.1056, 29.5148, 52.6759

Monochromacy



Original Color

24.2818, 29.5497, 66.7112



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

16.9567, 20.5379, 32.7763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2818, 29.5497, 66.7112 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, 159, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 212)  
}
```

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, 159, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 212) }
```

Border

The CSS property to change the border of an element to XYZ 24.2818, 29.5497, 66.7112 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, 159, 212) }
```


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

```
.border{ border-color:rgb(0, 159, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 159, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2818, 29.5497, 66.7112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 212) }
```

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

```
.background{ background-color: rgb(0, 159,  
212) }
```

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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