

Converting Colors

XYZ(12.0957, 22.9539, 74.3011)

Have a look what the booklet for
XYZ(12.0957, 22.9539, 74.3011)
contains.

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Color

**XYZ(25.6814, 29.8355,
74.9263)**

Conversions

Conversions Part 1

Format	Color
Hex	009EE0
RGB	0, 158, 224
RGB Percent	0%, 62%, 88%
CMY	0.9998, 0.3804, 0.1216
CMYK	1.00, 0.29, 0.00, 0.12
HSL	198°, 100%, 44%
HSV	198°, 100%, 88%
XYZ	25.6814, 29.8355, 74.9263
YIQ	118.2820, -115.3540, -12.9700

Conversions

Conversions Part 2

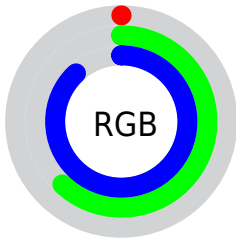
Format	Color
RYB	0, 93, 224
Decimal	40672
CIELab	61.51, -10.86, -42.93
CIELCh	62, 44.283, 255.804
Yxy	29.8355, 0.1969, 0.2287
Android (android.graphics.Color)	4278230752 (0xFF009EE0)
YUV	118.2820, 52.1190, -103.7333
Hunter-Lab	54.6219, -11.6635, -43.0944

Details

The XYZ color **25.6814, 29.8355, 74.9263** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.6926, 19.7507, 2.0908**, and the grayscale version is **17.1816, 18.0764, 19.6852**.

A 20% lighter version of the original color is **47.4192, 57.3102, 103.1705**, and **12.3256, 13.3425, 38.9715** is the 20% darker color. If you saturate the color by 10%, you get **25.6789, 29.8303, 74.9261**, and if you desaturate by 10%, it is **27.1794, 32.3250, 75.3285**.

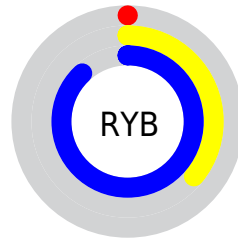
Distribution



Red (0%)

Green (62%)

Blue (88%)



Red (0%)

Yellow (36%)

Blue (88%)

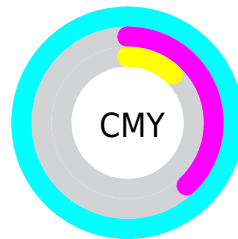


Cyan (100%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6814, 29.8355, 74.9263 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 25.6814, 29.8355, 74.9263 by changing the saturation by 10% instead.

■ 25.6814, 29.8355,
74.9263

■ 25.6814, 29.8355,
74.9263

273.5000,
301.1369, 496.9129

■ 16.7169, 19.7138,
55.0511

■ 52.1955, 59.4019,
127.9542

■ 10.1269, 12.1871,
39.0438

■ 70.4758, 79.6154,
161.9440

■ 5.5461, 6.8713,
26.4857

■ 92.5920, 103.9616,
201.4757

■ 2.6091, 3.3817,
16.9583

■ 118.9096,
132.8249, 246.9680

■ 0.9506, 1.3341,
10.0431

■ 149.7938,
166.5897, 298.8393

■ 0.0000, 0.1674,
5.3216

185.6100,

■ 0.0000, 0.0000,

205.6403, 357.5082

2.3751

226.7237,
250.3613, 423.3932

■ 0.0000, 0.0000,
0.7729

■ 0.0000, 0.0000,
0.0000

■ 25.6814, 29.8355,
74.9263

■ 25.6814, 29.8355,
74.9263

■ 25.6789, 29.8303,
74.9261

■ 27.1794, 32.3250,
75.3285

■ 29.1323, 35.1398,
75.7689

■ 31.6691, 38.3481,
76.2545

■ 34.8634, 41.9892,
76.7889

■ 38.7771, 46.0963,
77.3754

■ 43.4648, 50.6987,
78.0167

■ 48.9753, 55.8228,
78.7153

■ 55.3532, 61.4930,
79.4736

■ 62.6399, 67.7315,
80.2937

Harmonies

Analogous

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



21.2012, 29.8355, 61.5744



25.6814, 29.8355, 74.9263



31.5409, 29.8355, 74.5176

Triad

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



25.6814, 29.8355, 74.9263



40.6497, 29.8355, 24.4607



21.0174, 29.8355, 14.7736

Complementary

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



25.6814, 29.8355, 74.9263



32.6926, 19.7507, 2.0908

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.



25.3963, 29.8355, 10.2674



25.6814, 29.8355, 74.9263



36.9669, 29.8355, 14.3978

Square

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



25.6814, 29.8355, 74.9263



40.7540, 29.8355, 41.0663



31.2139, 29.8355, 10.1590



18.7708, 29.8355, 25.1924

Rectangle

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



25.6814, 29.8355, 74.9263



35.4789, 29.8355, 66.3448



31.2139, 29.8355, 10.1590



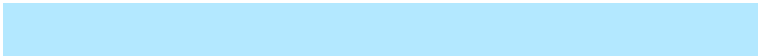
22.2595, 29.8355, 12.7033

Sweetspot

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



25.6825, 29.8365, 74.9271



65.5097, 74.7135, 105.5762



27.5681, 53.6768, 13.6851



13.3227, 15.3498, 22.5106



0.0000, 0.0000, 0.0000



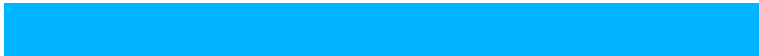
20.3446, 21.4041, 23.3091

Same Dimension

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



25.6825, 29.8365, 74.9271



34.3405, 39.8010, 100.4802



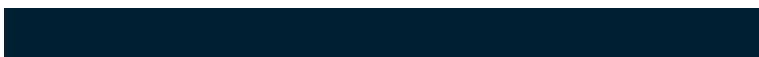
14.5362, 7.5438, 71.2116



13.7576, 14.8544, 17.5298



15.0511, 17.5717, 43.6468



1.1198, 1.3710, 3.0509

Inverse Universe

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



36.9131, 18.3174, 33.9385



49.4627, 24.5491, 45.2301



46.1646, 46.6947, 6.5815



14.1139, 13.8632, 16.3699



21.5373, 10.6819, 20.0269



1.5315, 0.7559, 1.5915

Previews

White Background



This preview shows how the XYZ color 25.6814, 29.8355, 74.9263 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 25.6814, 29.8355, 74.9263 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 25.6814, 29.8355, 74.9263

Background



This preview shows how black text looks on a background with the XYZ color 25.6814, 29.8355, 74.9263.

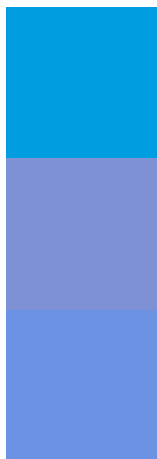


This preview shows how white text looks on a background with the XYZ color 25.6814, 29.8355,

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

25.6814, 29.8355, 74.9263

Protanopia

30.7398, 29.4905, 67.0229

Deuteranopia

30.4832, 29.6016, 76.7801



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

25.6814, 29.8355, 74.9263



Protanomaly

26.7390, 28.5279, 69.7428



Deuteranomaly

27.2483, 28.8894, 76.0916



Tritanomaly

22.5460, 29.6909, 54.9947

Monochromacy



Original Color

25.6814, 29.8355, 74.9263



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

17.3750, 20.7052, 34.9790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6814, 29.8355, 74.9263 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 224) }
```

Border

The CSS property to change the border of an element to XYZ 25.6814, 29.8355, 74.9263 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, 224) }
```


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

```
.border{ border-color:rgb(0, 158, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6814, 29.8355, 74.9263 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, 224) }
```

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

```
.background{ background-color: rgb(0, 158,  
224) }
```

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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