

Converting Colors

XYZ(24.6554, 29.3237, 69.8359)

Have a look what the booklet for
XYZ(24.6554, 29.3237, 69.8359)
contains.

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Color

**XYZ(24.7512, 29.4635,
70.0281)**

Conversions

Conversions Part 1

Format	Color
Hex	009ED9
RGB	0, 158, 217
RGB Percent	0%, 62%, 85%
CMY	0.9998, 0.3804, 0.1490
CMYK	1.00, 0.27, 0.00, 0.15
HSL	196°, 100%, 43%
HSV	196°, 100%, 85%
XYZ	24.7512, 29.4635, 70.0281
YIQ	117.4840, -113.1070, -15.1470

Conversions

Conversions Part 2

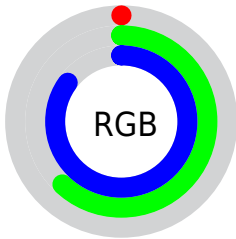
Format	Color
RYB	0, 91, 217
Decimal	40665
CIELab	61.19, -13.42, -39.55
CIELCh	61, 41.767, 251.263
Yxy	29.4635, 0.1992, 0.2371
Android (android.graphics.Color)	4278230745 (0xFF009ED9)
YUV	117.4840, 49.0614, -103.0335
Hunter-Lab	54.2803, -13.5965, -38.4950

Details

The XYZ color **24.7512, 29.4635, 70.0281** 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 **30.1821, 17.8846, 1.8627**, and the grayscale version is **16.9410, 17.8232, 19.4095**.

A 20% lighter version of the original color is **47.4378, 57.6921, 103.2432**, and **11.7793, 13.1240, 36.0948** is the 20% darker color. If you saturate the color by 10%, you get **24.7495, 29.4598, 70.0281**, and if you desaturate by 10%, it is **26.1080, 31.6938, 70.3877**.

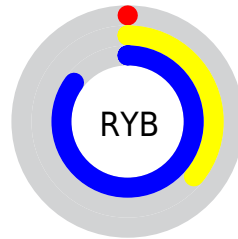
Distribution



Red (0%)

Green (62%)

Blue (85%)



Red (0%)

Yellow (36%)

Blue (85%)

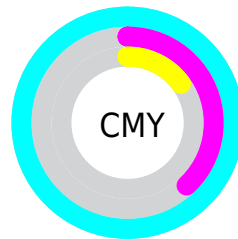


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (15%)



Cyan (100%)

Magenta (38%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7512, 29.4635, 70.0281 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 24.7512, 29.4635, 70.0281 by changing the saturation by 10% instead.

■ 24.7512, 29.4635,
70.0281

■ 24.7512, 29.4635,
70.0281

268.9672,
299.3956, 479.4405

■ 16.0195, 19.4317,
51.0725

■ 50.6991, 58.8127,
120.9303

■ 9.6289, 11.9826,
35.8892

■ 68.6461, 78.8989,
153.7140

■ 5.2140, 6.7319,
24.0596

■ 90.3955, 103.1054,
191.9442

■ 2.4094, 3.2950,
15.1652

■ 116.3128,
131.8165, 236.0393

■ 0.8498, 1.2876,
8.7875

■ 146.7632,
165.4167, 286.4179

■ 0.0000, 0.1316,
4.5079

182.1122,

■ 0.0000, 0.0000,

204.2904, 343.4987

1.9079

222.7251,
248.8219, 407.7000

■ 0.0000, 0.0000,
0.4978

■ 0.0000, 0.0000,
0.0000

■ 24.7512, 29.4635,
70.0281

■ 24.7512, 29.4635,
70.0281

■ 24.7495, 29.4598,
70.0281

■ 26.1080, 31.6938,
70.3877

■ 27.8777, 34.2092,
70.7800

■ 30.1819, 37.0739,
71.2115

■ 33.0883, 40.3237,
71.6855

■ 36.6539, 43.9889,
72.2051

■ 40.9290, 48.0963,
72.7725

■ 45.9585, 52.6699,
73.3903

■ 51.7836, 57.7319,
74.0603

■ 58.4425, 63.3028,
74.7846

Harmonies

Analogous

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



20.8010, 29.4635, 56.4090



24.7512, 29.4635, 70.0281



30.1150, 29.4635, 71.7567

Triad

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



24.7512, 29.4635, 70.0281



39.6733, 29.4635, 26.5354



21.6085, 29.4635, 14.3114

Complementary

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



24.7512, 29.4635, 70.0281



30.1821, 17.8846, 1.8627

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.



25.9943, 29.4635, 10.6402



24.7512, 29.4635, 70.0281



36.7035, 29.4635, 15.9989

Square

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



24.7512, 29.4635, 70.0281



39.2262, 29.4635, 42.7939



31.5304, 29.4635, 11.1359



19.1568, 29.4635, 23.3237

Rectangle

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



24.7512, 29.4635, 70.0281



33.8419, 29.4635, 65.4449



31.5304, 29.4635, 11.1359



22.8796, 29.4635, 12.5691

Sweetspot

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



24.7523, 29.4645, 70.0289



66.0038, 75.7018, 105.7409



25.5749, 49.9309, 12.2796



13.4412, 15.5869, 22.5501



0.0000, 0.0000, 0.0000



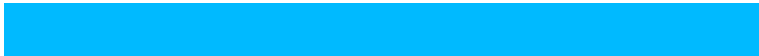
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7523, 29.4645, 70.0289



35.5362, 42.1925, 100.8787



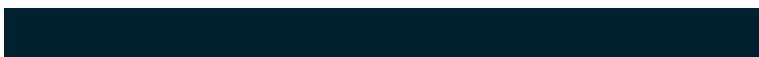
13.6945, 7.3490, 66.3429



13.1298, 14.1994, 16.7009



15.0738, 18.0171, 42.4216



1.0467, 1.3075, 2.7717

Inverse Universe

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



34.7878, 17.2216, 33.8392



50.0662, 24.7905, 48.4084



42.3209, 42.1622, 5.9089



13.4554, 13.2113, 15.6594



21.1039, 10.4426, 20.7250



1.4026, 0.6907, 1.5291

Previews

White Background



This preview shows how the XYZ color 24.7512, 29.4635, 70.0281 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 24.7512, 29.4635, 70.0281 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

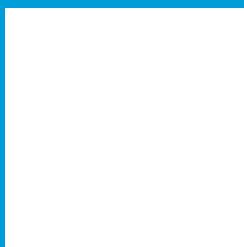
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7512, 29.4635, 70.0281

Background



This preview shows how black text looks on a background with the XYZ color 24.7512, 29.4635, 70.0281.

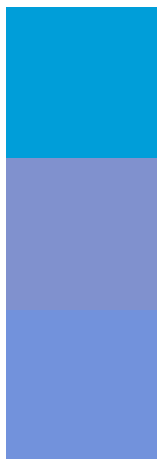


This preview shows how white text looks on a background with the XYZ color 24.7512, 29.4635,

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

24.7512, 29.4635, 70.0281

Protanopia

30.1681, 29.2962, 62.4572

Deuteranopia

30.1366, 29.3025, 71.7777



Tritanopia

20.9337, 29.3290, 45.6320

Trichromacy



Original Color

24.7512, 29.4635, 70.0281



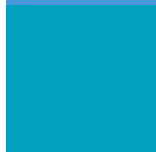
Protanomaly

25.9325, 28.2152, 65.0520



Deuteranomaly

26.4402, 28.3436, 71.0952



Tritanomaly

22.1488, 29.2513, 53.7689

Monochromacy



Original Color

24.7512, 29.4635, 70.0281



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.8251, 20.2583, 33.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7512, 29.4635, 70.0281 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 217) }
```

Border

The CSS property to change the border of an element to XYZ 24.7512, 29.4635, 70.0281 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, 217) }
```


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

```
.border{ border-color:rgb(0, 158, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7512, 29.4635, 70.0281 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, 217) }
```

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

```
.background{ background-color: rgb(0, 158,  
217) }
```

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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