

Converting Colors

XYZ(24.0162, 28.5712, 68.0013)

Have a look what the booklet for
XYZ(24.0162, 28.5712, 68.0013)
contains.

XYZ(24.0261, 28.6320, 67.8785)	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(24.0261, 28.6320,
67.8785)**

Conversions

Conversions Part 1

Format	Color
Hex	009CD6
RGB	0, 156, 214
RGB Percent	0%, 61%, 84%
CMY	0.9998, 0.3882, 0.1608
CMYK	1.00, 0.27, 0.00, 0.16
HSL	196°, 100%, 42%
HSV	196°, 100%, 84%
XYZ	24.0261, 28.6320, 67.8785
YIQ	115.9680, -111.5940, -15.0340

Conversions

Conversions Part 2

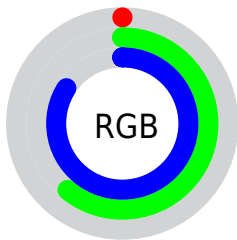
Format	Color
RYB	0, 90, 214
Decimal	40150
CIELab	60.46, -13.41, -39.03
CIELCh	60, 41.270, 251.045
Yxy	28.6320, 0.1993, 0.2375
Android (android.graphics.Color)	4278230230 (0xFF009CD6)
YUV	115.9680, 48.3298, -101.7039
Hunter-Lab	53.5089, -13.4920, -37.7559

Details

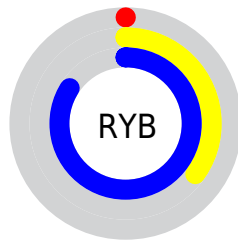
The XYZ color **24.0261, 28.6320, 67.8785** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.2478, 17.3279, 1.8046**, and the grayscale version is **16.4772, 17.3352, 18.8781**.

A 20% lighter version of the original color is **46.5761, 56.1380, 102.9886**, and **11.3096, 12.6064, 34.6381** is the 20% darker color. If you saturate the color by 10%, you get **24.0240, 28.6277, 67.8784**, and if you desaturate by 10%, it is **25.3424, 30.7909, 68.2264**.

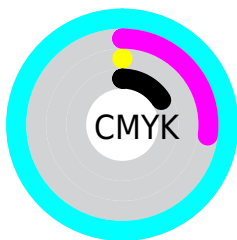
Distribution



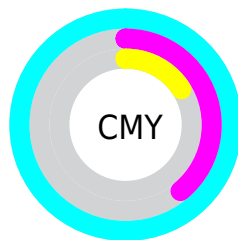
- Red (0%)
- Green (61%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0261, 28.6320, 67.8785 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 24.0261, 28.6320, 67.8785 by changing the saturation by 10% instead.

■ 24.0261, 28.6320,
67.8785

■ 24.0261, 28.6320,
67.8785

265.3904,
295.4747, 471.6518

■ 15.4778, 18.8026,
49.3328

■ 49.5272, 57.4919,
117.8309

■ 9.2439, 11.5277,
34.5161

■ 67.2106, 77.2912,
150.0747

■ 4.9590, 6.4230,
23.0098

■ 88.6699, 101.1826,
187.7216

■ 2.2577, 3.1039,
14.3954

■ 114.2703,
129.5504, 231.1901

■ 0.7729, 1.1862,
8.2543

■ 144.3772,
162.7792, 280.8989

■ 0.0000, 0.0504,
4.1680

179.3560,

■ 0.0000, 0.0000,

201.2532, 337.2664

1.7179

219.5719,
245.3569, 400.7112

■ 0.0000, 0.0000,
0.3730

■ 0.0000, 0.0000,
0.0000

■ 24.0261, 28.6320,
67.8785

■ 24.0261, 28.6320,
67.8785

■ 24.0240, 28.6277,
67.8784

■ 25.3424, 30.7909,
68.2264

■ 27.0576, 33.2250,
68.6059

■ 29.2902, 35.9967,
69.0232

■ 32.1054, 39.1405,
69.4816

■ 35.5585, 42.6858,
69.9839

■ 39.6978, 46.6584,
70.5326

■ 44.5668, 51.0816,
71.1297

■ 50.2054, 55.9767,
71.7774

■ 56.6503, 61.3635,
72.4774

Harmonies

Analogous

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



20.2082, 28.6320, 54.6270



24.0261, 28.6320, 67.8785



29.2200, 28.6320, 69.6497

Triad

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



24.0261, 28.6320, 67.8785



38.5326, 28.6320, 25.8953



21.0371, 28.6320, 13.8958

Complementary

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



24.0261, 28.6320, 67.8785



29.2478, 17.3279, 1.8046

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.



25.3017, 28.6320, 10.3629



24.0261, 28.6320, 67.8785



35.6761, 28.6320, 15.6297

Square

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



24.0261, 28.6320, 67.8785



38.0742, 28.6320, 41.6866



30.6718, 28.6320, 10.8727



18.6442, 28.6320, 22.5987

Rectangle

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



24.0261, 28.6320, 67.8785



32.8345, 28.6320, 63.5933



30.6718, 28.6320, 10.8727



22.2743, 28.6320, 12.2159

Sweetspot

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



24.0271, 28.6330, 67.8792



66.0224, 75.7389, 105.7471



24.7886, 48.3904, 11.9187



13.4457, 15.5958, 22.5516



0.0000, 0.0000, 0.0000



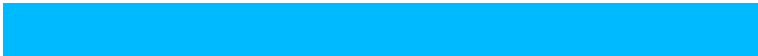
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0271, 28.6330, 67.8792



35.5819, 42.2838, 100.8940



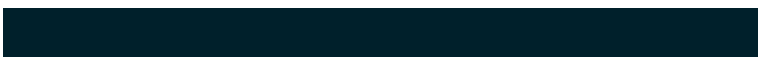
13.2779, 7.1345, 64.2962



12.4942, 13.5119, 15.8871



14.6112, 17.4841, 41.0578



0.9483, 1.1885, 2.4987

Inverse Universe

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



33.7333, 16.6978, 32.8983



50.0893, 24.7997, 48.5297



41.0219, 40.8759, 5.7293



12.8027, 12.5726, 14.9011



20.4339, 10.1099, 20.1207



1.2663, 0.6233, 1.3916

Previews

White Background



This preview shows how the XYZ color 24.0261, 28.6320, 67.8785 looks on a white background.

Color Contrast Check

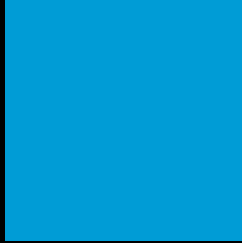
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0261, 28.6320, 67.8785 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

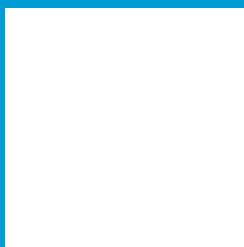
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0261, 28.6320, 67.8785

Background



This preview shows how black text looks on a background with the XYZ color 24.0261, 28.6320, 67.8785.

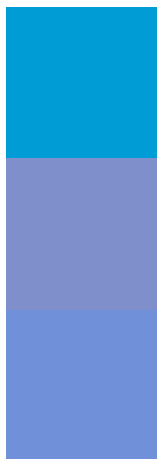


This preview shows how white text looks on a background with the XYZ color 24.0261, 28.6320,

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

24.0261, 28.6320, 67.8785

Protanopia

29.2061, 28.3923, 60.4409

Deuteranopia

29.1797, 28.4010, 69.5896



Tritanopia

20.2877, 28.5069, 43.9683

Trichromacy



Original Color

24.0261, 28.6320, 67.8785



Protanomaly

25.1607, 27.3903, 62.9922



Deuteranomaly

25.5831, 27.4773, 68.9210



Tritanomaly

21.4752, 28.4271, 51.9321

Monochromacy



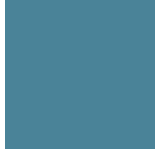
Original Color

24.0261, 28.6320, 67.8785



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.6078, 19.9554, 32.6822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0261, 28.6320, 67.8785 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 214) }
```

Border

The CSS property to change the border of an element to XYZ 24.0261, 28.6320, 67.8785 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, 214) }
```


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

```
.border{ border-color:rgb(0, 156, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0261, 28.6320, 67.8785 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, 214) }
```

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

```
.background{ background-color: rgb(0, 156,  
214) }
```

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