

Converting Colors

XYZ(23.4778, 28.0123, 66.2256)

Have a look what the booklet for
XYZ(23.4778, 28.0123, 66.2256)
contains.

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Color

**XYZ(23.6050, 28.1962,
66.4856)**

Conversions

Conversions Part 1

Format	Color
Hex	009BD4
RGB	0, 155, 212
RGB Percent	0%, 61%, 83%
CMY	0.9998, 0.3921, 0.1686
CMYK	1.00, 0.27, 0.00, 0.17
HSL	196°, 100%, 42%
HSV	196°, 100%, 83%
XYZ	23.6050, 28.1962, 66.4856
YIQ	115.1530, -110.6770, -15.1330

Conversions

Conversions Part 2

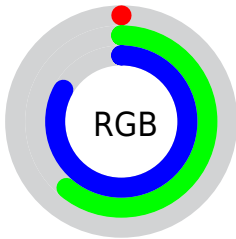
Format	Color
RYB	0, 90, 212
Decimal	39892
CIELab	60.07, -13.58, -38.53
CIELCh	60, 40.852, 250.580
Yxy	28.1962, 0.1996, 0.2384
Android (android.graphics.Color)	4278229972 (0xFF009BD4)
YUV	115.1530, 47.7456, -100.9892
Hunter-Lab	53.1001, -13.5752, -37.0658

Details

The XYZ color **23.6050, 28.1962, 66.4856** 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 **28.6173, 16.9281, 1.7605**, and the grayscale version is **16.2305, 17.0758, 18.5955**.

A 20% lighter version of the original color is **46.3300, 55.6457, 102.9066**, and **11.0361, 12.3350, 33.6975** is the 20% darker color. If you saturate the color by 10%, you get **23.6033, 28.1926, 66.4856**, and if you desaturate by 10%, it is **24.8913, 30.3017, 66.8248**.

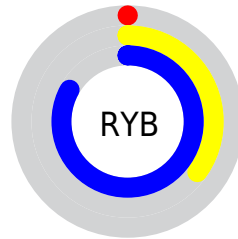
Distribution



Red (0%)

Green (61%)

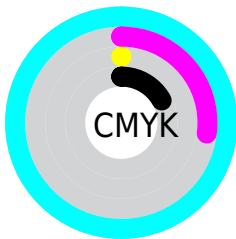
Blue (83%)



Red (0%)

Yellow (35%)

Blue (83%)

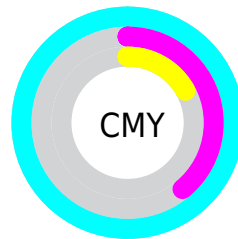


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (17%)



Cyan (100%)

Magenta (39%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6050, 28.1962, 66.4856 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 23.6050, 28.1962, 66.4856 by changing the saturation by 10% instead.

■ 23.6050, 28.1962,
66.4856

■ 23.6050, 28.1962,
66.4856

263.2951,
293.4032, 466.5631

■ 15.1640, 18.4736,
48.2077

■ 48.8442, 56.7975,
115.8167

■ 9.0216, 11.2905,
33.6303

■ 66.3732, 76.4451,
147.7069

■ 4.8125, 6.2626,
22.3346

■ 87.6622, 100.1697,
184.9718

■ 2.1713, 3.0054,
13.9023

■ 113.0765,
128.3558, 228.0297

■ 0.7276, 1.1346,
7.9148

■ 142.9817,
161.3879, 277.2992

■ 0.0000, 0.0073,
3.9535

177.7429,

■ 0.0000, 0.0000,

199.6502, 333.1990

1.5999

217.7256,
243.5272, 396.1474

■ 0.0000, 0.0000,
0.2907

■ 0.0000, 0.0000,
0.0000

■ 23.6050, 28.1962,
66.4856

■ 23.6050, 28.1962,
66.4856

■ 23.6033, 28.1926,
66.4856

■ 24.8913, 30.3017,
66.8248

■ 26.5669, 32.6749,
67.1946

■ 28.7479, 35.3769,
67.6011

■ 31.4982, 38.4416,
68.0477

■ 34.8717, 41.8974,
68.5370

■ 38.9157, 45.7698,
69.0713

■ 43.6727, 50.0812,
69.6527

■ 49.1815, 54.8527,
70.2834

■ 55.4781, 60.1034,
70.9650

Harmonies

Analogous

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



19.8886, 28.1962, 53.4011



23.6050, 28.1962, 66.4856



28.6814, 28.1962, 68.4197

Triad

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



23.6050, 28.1962, 66.4856



37.9023, 28.1962, 25.7286



20.7970, 28.1962, 13.6597

Complementary

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



23.6050, 28.1962, 66.4856



28.6173, 16.9281, 1.7605

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.



25.0020, 28.1962, 10.2530



23.6050, 28.1962, 66.4856



35.1507, 28.1962, 15.5642

Square

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



23.6050, 28.1962, 66.4856



37.4010, 28.1962, 41.2618



30.2703, 28.1962, 10.8138



18.4187, 28.1962, 22.1158

Rectangle

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



23.6050, 28.1962, 66.4856



32.2259, 28.1962, 62.6162



30.2703, 28.1962, 10.8138



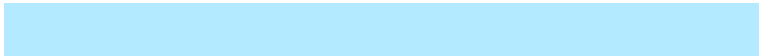
22.0195, 28.1962, 12.0330

Sweetspot

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



23.6060, 28.1971, 66.4863



66.0697, 75.8336, 105.7628



24.2721, 47.3788, 11.6804



13.4570, 15.6185, 22.5554



0.0000, 0.0000, 0.0000



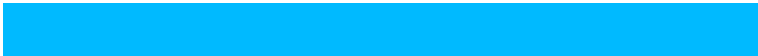
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6060, 28.1971, 66.4863



35.6986, 42.5171, 100.9329



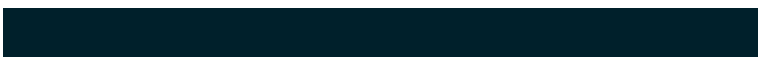
13.0038, 6.9928, 62.9523



12.4966, 13.5166, 15.8878



14.6579, 17.5777, 41.0734



0.9508, 1.1935, 2.4996

Inverse Universe

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



33.0687, 16.3648, 32.4270



50.1482, 24.8233, 48.8398



40.1684, 40.0304, 5.6109



12.8039, 12.5730, 14.9073



20.4575, 10.1193, 20.2451



1.2675, 0.6238, 1.3983

Previews

White Background



This preview shows how the XYZ color 23.6050, 28.1962, 66.4856 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 23.6050, 28.1962, 66.4856 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 23.6050, 28.1962, 66.4856

Background



This preview shows how black text looks on a background with the XYZ color 23.6050, 28.1962, 66.4856.

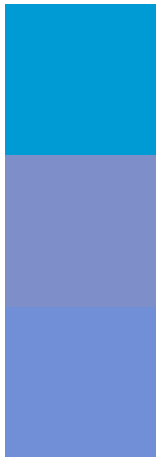


This preview shows how white text looks on a background with the XYZ color 23.6050, 28.1962,

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

23.6050, 28.1962, 66.4856

Protanopia

28.8198, 27.9987, 59.1437

Deuteranopia

28.7703, 27.9960, 68.1774



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

23.6050, 28.1962, 66.4856

Protanomaly

24.7614, 26.9807, 61.6603

Deuteranomaly

25.1699, 27.0621, 67.5152

Tritanomaly

21.1965, 28.0416, 51.3091

Monochromacy



Original Color

23.6050, 28.1962, 66.4856

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2353, 19.5837, 31.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6050, 28.1962, 66.4856 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, 155, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 212) }
```

Border

The CSS property to change the border of an element to XYZ 23.6050, 28.1962, 66.4856 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, 155, 212) }
```


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

```
.border{ border-color:rgb(0, 155, 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, 155, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6050, 28.1962, 66.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 212) }
```

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

```
.background{ background-color: rgb(0, 155,  
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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