

Converting Colors

XYZ(12.1370, 21.9736, 66.1109)

Have a look what the booklet for
XYZ(12.1370, 21.9736, 66.1109)
contains.

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Color

**XYZ(23.4393, 27.8647,
66.4304)**

Conversions

Conversions Part 1

Format	Color
Hex	009AD4
RGB	0, 154, 212
RGB Percent	0%, 60%, 83%
CMY	0.9998, 0.3961, 0.1686
CMYK	1.00, 0.27, 0.00, 0.17
HSL	196°, 100%, 42%
HSV	196°, 100%, 83%
XYZ	23.4393, 27.8647, 66.4304
YIQ	114.5660, -110.4020, -14.6100

Conversions

Conversions Part 2

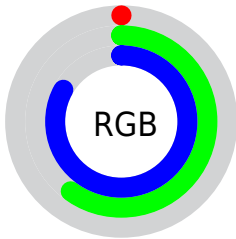
Format	Color
RYB	0, 89, 212
Decimal	39636
CIELab	59.77, -13.03, -39.00
CIELCh	60, 41.116, 251.524
Yxy	27.8647, 0.1991, 0.2367
Android (android.graphics.Color)	4278229716 (0xFF009AD4)
YUV	114.5660, 48.0350, -100.4744
Hunter-Lab	52.7870, -13.1170, -37.6632

Details

The XYZ color **23.4393, 27.8647, 66.4304** 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 **28.6676, 17.0286, 1.7774**, and the grayscale version is **16.0531, 16.8891, 18.3922**.

A 20% lighter version of the original color is **46.0854, 55.1565, 102.8251**, and **10.9361, 12.1348, 33.6642** is the 20% darker color. If you saturate the color by 10%, you get **23.4373, 27.8606, 66.4303**, and if you desaturate by 10%, it is **24.7351, 29.9891, 66.7727**.

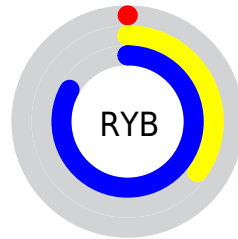
Distribution



Red (0%)

Green (60%)

Blue (83%)



Red (0%)

Yellow (35%)

Blue (83%)

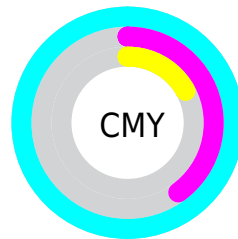


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (17%)



Cyan (100%)

Magenta (40%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4393, 27.8647, 66.4304 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 23.4393, 27.8647, 66.4304 by changing the saturation by 10% instead.

■ 23.4393, 27.8647,
66.4304

■ 23.4393, 27.8647,
66.4304

262.4668,
291.8198, 466.3607

■ 15.0407, 18.2237,
48.1632

■ 48.5750, 56.2684,
115.7367

■ 8.9345, 11.1107,
33.5952

■ 66.0429, 75.7998,
147.6129

■ 4.7552, 6.1413,
22.3080

■ 87.2645, 99.3968,
184.8626

■ 2.1376, 2.9312,
13.8829

■ 112.6052,
127.4439, 227.9041

■ 0.7096, 1.0959,
7.9014

■ 142.4305,
160.3253, 277.1562

■ 0.0000, 0.0000,
3.9451

177.1056,

■ 0.0000, 0.0000,

198.4255, 333.0373

1.5953

216.9959,
242.1289, 395.9660

■ 0.0000, 0.0000,
0.2874

■ 0.0000, 0.0000,
0.0000

■ 23.4393, 27.8647,
66.4304

■ 23.4393, 27.8647,
66.4304

■ 23.4373, 27.8606,
66.4303

■ 24.7351, 29.9891,
66.7727

■ 26.4216, 32.3842,
67.1461

■ 28.6153, 35.1112,
67.5569

■ 31.3798, 38.2041,
68.0082

■ 34.7691, 41.6914,
68.5027

■ 38.8306, 45.5984,
69.0427

■ 43.6067, 49.9479,
69.6305

■ 49.1363, 54.7608,
70.2681

■ 55.4555, 60.0564,
70.9572

Harmonies

Analogous

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



19.6791, 27.8647, 53.5705



23.4393, 27.8647, 66.4304



28.5337, 27.8647, 67.9580

Triad

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



23.4393, 27.8647, 66.4304



37.5450, 27.8647, 24.9689



20.3912, 27.8647, 13.5487

Complementary

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



23.4393, 27.8647, 66.4304



28.6676, 17.0286, 1.7774

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.



24.5360, 27.8647, 10.0362



23.4393, 27.8647, 66.4304



34.7018, 27.8647, 15.0351

Square

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



23.4393, 27.8647, 66.4304



37.1502, 27.8647, 40.3544



29.7828, 27.8647, 10.4725



18.0848, 27.8647, 22.1366

Rectangle

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



23.4393, 27.8647, 66.4304



32.0667, 27.8647, 61.8983



29.7828, 27.8647, 10.4725



21.5910, 27.8647, 11.8855

Sweetspot

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



23.4403, 27.8656, 66.4311



65.9667, 75.6275, 105.7285



24.2722, 47.3789, 11.6809



13.4323, 15.5690, 22.5471



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.



23.4403, 27.8656, 66.4311



35.4450, 42.0101, 100.8483



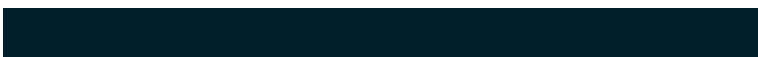
13.0041, 6.9931, 62.9524



12.4915, 13.5064, 15.8861



14.5563, 17.3743, 41.0395



0.9453, 1.1826, 2.4978

Inverse Universe

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



32.9851, 16.3315, 31.9864



50.0202, 24.7721, 48.1659



40.1687, 40.0308, 5.6111



12.8013, 12.5720, 14.8938



20.4062, 10.0988, 19.9748



1.2648, 0.6227, 1.3838

Previews

White Background



This preview shows how the XYZ color 23.4393, 27.8647, 66.4304 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 23.4393, 27.8647, 66.4304 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

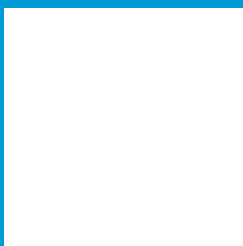
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4393, 27.8647, 66.4304

Background



This preview shows how black text looks on a background with the XYZ color 23.4393, 27.8647, 66.4304.

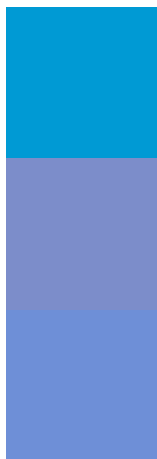


This preview shows how white text looks on a background with the XYZ color 23.4393, 27.8647,

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

23.4393, 27.8647, 66.4304

Protanopia

28.4977, 27.5991, 59.7023

Deuteranopia

28.5186, 27.8662, 68.1656



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

23.4393, 27.8647, 66.4304

Protanomaly

24.6439, 26.6763, 62.2427

Deuteranomaly

25.0971, 27.0246, 67.5118

Tritanomaly

20.9199, 27.6591, 50.6905

Monochromacy



Original Color

23.4393, 27.8647, 66.4304

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1029, 19.3190, 31.7344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4393, 27.8647, 66.4304 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, 154, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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, 154, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 212) }
```

Border

The CSS property to change the border of an element to XYZ 23.4393, 27.8647, 66.4304 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, 154, 212) }
```


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

```
.border{ border-color:rgb(0, 154, 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, 154, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4393, 27.8647, 66.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 212) }
```

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

```
.background{ background-color: rgb(0, 154,  
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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