

Converting Colors

XYZ(23.2747, 27.2987, 68.7484)

Have a look what the booklet for
XYZ(23.2747, 27.2987, 68.7484)
contains.

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Color

**XYZ(23.6229, 27.4143,
69.0122)**

Conversions

Conversions Part 1

Format	Color
Hex	0098D8
RGB	0, 152, 216
RGB Percent	0%, 60%, 85%
CMY	0.9998, 0.4039, 0.1529
CMYK	1.00, 0.30, 0.00, 0.15
HSL	198°, 100%, 42%
HSV	198°, 100%, 85%
XYZ	23.6229, 27.4143, 69.0122
YIQ	113.8480, -111.1360, -12.3200

Conversions

Conversions Part 2

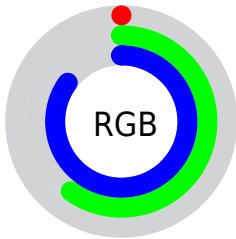
Format	Color
R _Y B	0, 89, 216
Decimal	39128
CIE Lab	59.36, -10.44, -41.87
CIE LCh	59, 43.157, 255.995
Yxy	27.4143, 0.1968, 0.2284
Android (android.graphics.Color)	4278229208 (0xFF0098D8)
YUV	113.8480, 50.3609, -99.8447
Hunter-Lab	52.3587, -11.0930, -41.4971

Details

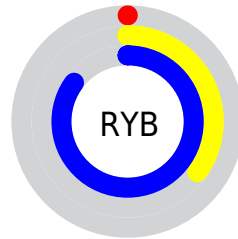
The XYZ color **23.6229, 27.4143, 69.0122** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.1558, 18.2720, 1.9390**, and the grayscale version is **15.8317, 16.6562, 18.1386**.

A 20% lighter version of the original color is **45.6008, 54.1874, 102.6635**, and **11.0867, 11.8806, 35.4271** is the 20% darker color. If you saturate the color by 10%, you get **23.6207, 27.4097, 69.0120**, and if you desaturate by 10%, it is **25.0138, 29.7160, 69.3838**.

Distribution



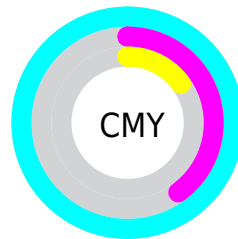
- Red (0%)
- Green (60%)
- Blue (85%)



- Red (0%)
- Yellow (35%)
- Blue (85%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6229, 27.4143, 69.0122 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 23.6229, 27.4143, 69.0122 by changing the saturation by 10% instead.

■ 23.6229, 27.4143,
69.0122

■ 23.6229, 27.4143,
69.0122

263.3844,
289.6575, 475.7691

■ 15.1773, 17.8846,
50.2498

■ 48.8733, 55.5480,
119.4669

■ 9.0311, 10.8672,
35.2394

■ 66.4088, 74.9208,
151.9962

■ 4.8187, 5.9776,
23.5623

■ 87.7051, 98.3434,
189.9517

■ 2.1750, 2.8315,
14.8001

■ 113.1274,
126.2002, 233.7518

■ 0.7295, 1.0444,
8.5341

■ 143.0411,
158.8756, 283.8150

■ 0.0000, 0.0000,
4.3459

177.8116,

■ 0.0000, 0.0000,

196.7541, 340.5600

1.8170

217.8043,
240.2199, 404.4051

■ 0.0000, 0.0000,
0.4391

■ 0.0000, 0.0000,
0.0000

■ 23.6229, 27.4143,
69.0122

■ 23.6229, 27.4143,
69.0122

■ 23.6207, 27.4097,
69.0120

■ 25.0138, 29.7160,
69.3838

■ 26.8216, 32.3168,
69.7905

■ 29.1670, 35.2805,
70.2389

■ 32.1169, 38.6428,
70.7324

■ 35.7281, 42.4342,
71.2739

■ 40.0503, 46.6815,
71.8659

■ 45.1281, 51.4088,
72.5107

■ 51.0026, 56.6384,
73.2105

■ 57.7114, 62.3909,
73.9673

Harmonies

Analogous

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



19.4865, 27.4143, 56.7639



23.6229, 27.4143, 69.0122



29.0245, 27.4143, 68.5457

Triad

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



23.6229, 27.4143, 69.0122



37.3702, 27.4143, 22.3803



19.2770, 27.4143, 13.5866

Complementary

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



23.6229, 27.4143, 69.0122



30.1558, 18.2720, 1.9390

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.



23.2980, 27.4143, 9.4141



23.6229, 27.4143, 69.0122



33.9586, 27.4143, 13.1589

Square

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



23.6229, 27.4143, 69.0122



37.4891, 27.4143, 37.6422



28.6517, 27.4143, 9.2908



17.2223, 27.4143, 23.2141

Rectangle

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



23.6229, 27.4143, 69.0122



32.6497, 27.4143, 60.9628



28.6517, 27.4143, 9.2908



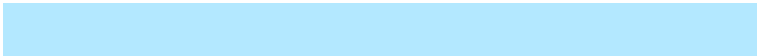
20.4165, 27.4143, 11.6717

Sweetspot

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



23.6239, 27.4152, 69.0129



65.4741, 74.6423, 105.5643



25.4055, 49.4520, 12.6548



13.3141, 15.3327, 22.5077



0.0000, 0.0000, 0.0000



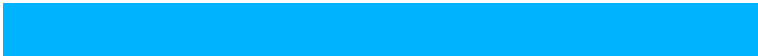
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6239, 27.4152, 69.0129



34.2557, 39.6315, 100.4519



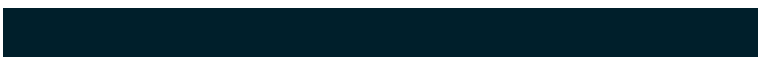
13.4057, 6.9787, 65.6068



12.4670, 13.4574, 15.8780



14.0789, 16.4195, 40.8804



0.9196, 1.1312, 2.4892

Inverse Universe

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



33.9874, 16.8673, 31.1708



49.4199, 24.5320, 45.0048



42.5470, 43.0542, 6.0694



12.7889, 12.5671, 14.8286



20.1652, 10.0024, 18.7059



1.2518, 0.6175, 1.3154

Previews

White Background



This preview shows how the XYZ color 23.6229, 27.4143, 69.0122 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 23.6229, 27.4143, 69.0122 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 23.6229, 27.4143, 69.0122

Background



This preview shows how black text looks on a background with the XYZ color 23.6229, 27.4143, 69.0122.

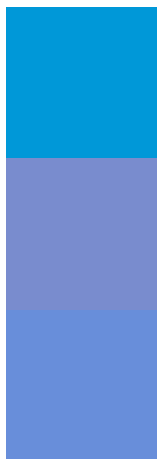


This preview shows how white text looks on a background with the XYZ color 23.6229, 27.4143,

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

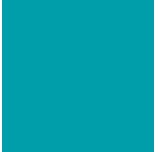
23.6229, 27.4143, 69.0122

Protanopia

28.4038, 27.2773, 62.1605

Deuteranopia

28.0368, 27.3510, 70.1312



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

23.6229, 27.4143, 69.0122



Protanomaly

24.6667, 26.1774, 64.7254



Deuteranomaly

25.0500, 26.7258, 69.4840



Tritanomaly

20.8581, 27.3648, 51.1963

Monochromacy



Original Color

23.6229, 27.4143, 69.0122



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

16.0527, 19.0892, 32.1167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6229, 27.4143, 69.0122 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, 152, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 216)  
}
```

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, 152, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 216) }
```

Border

The CSS property to change the border of an element to XYZ 23.6229, 27.4143, 69.0122 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, 152, 216) }
```


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

```
.border{ border-color:rgb(0, 152, 216) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 152, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6229, 27.4143, 69.0122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 216) }
```

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

```
.background{ background-color: rgb(0, 152,  
216) }
```

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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