

Converting Colors

XYZ(23.3131, 31.8378, 54.1709)

Have a look what the booklet for
XYZ(23.3131, 31.8378, 54.1709)
contains.

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Color

**XYZ(23.4066, 31.7669,
54.1882)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8BF
RGB	0, 168, 191
RGB Percent	0%, 66%, 75%
CMY	0.9999, 0.3412, 0.2510
CMYK	1.00, 0.12, 0.00, 0.25
HSL	187°, 100%, 37%
HSV	187°, 100%, 75%
XYZ	23.4066, 31.7669, 54.1882
YIQ	120.3900, -107.5110, -28.4630

Conversions

Conversions Part 2

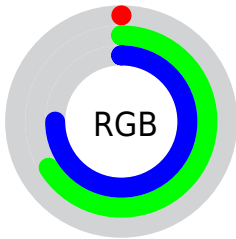
Format	Color
RYB	0, 89, 191
Decimal	43199
CIELab	63.15, -27.76, -22.03
CIELCh	63, 35.438, 218.433
Yxy	31.7669, 0.2140, 0.2905
Android (android.graphics.Color)	4278233279 (0xFF00A8BF)
YUV	120.3900, 34.8107, -105.5820
Hunter-Lab	56.3621, -24.5046, -17.5496

Details

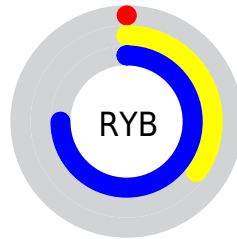
The XYZ color **23.4066, 31.7669, 54.1882** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.7934, 11.6908, 1.1090**, and the grayscale version is **17.8980, 18.8301, 20.5059**.

A 20% lighter version of the original color is **48.5897, 62.6794, 97.5331**, and **10.8328, 14.3258, 26.2390** is the 20% darker color. If you saturate the color by 10%, you get **23.4064, 31.7662, 54.1887**, and if you desaturate by 10%, it is **24.1069, 32.7646, 54.3445**.

Distribution



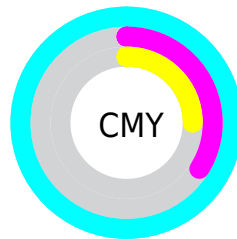
- Red (0%)
- Green (66%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (34%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4066, 31.7669, 54.1882 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 23.4066, 31.7669, 54.1882 by changing the saturation by 10% instead.

■ 23.4066, 31.7669,
54.1882

■ 23.4066, 31.7669,
54.1882

262.3031,
310.0560, 420.0222

■ 15.0164, 21.1835,
38.3579

■ 48.5219, 62.4455,
97.8097

■ 8.9173, 13.2582,
25.9566

■ 65.9776, 83.3095,
126.4380

■ 4.7439, 7.6066,
16.5657

■ 87.1859, 108.3691,
160.1695

■ 2.1310, 3.8443,
9.7667

■ 112.5121,
138.0088, 199.4226

■ 0.7060, 1.5868,
5.1410

■ 142.3216,
172.6130, 244.6158

■ 0.0000, 0.3487,
2.2700

176.9796,

■ 0.0000, 0.0000,

212.5660, 296.1678

0.7144

216.8517,
258.2522, 354.4971

■ 0.0000, 0.0000,
0.0000

■ 23.4066, 31.7669,
54.1882

■ 23.4066, 31.7669,
54.1882

■ 23.4064, 31.7662,
54.1887

■ 24.1069, 32.7646,
54.3445

■ 25.0797, 33.9133,
54.5149

■ 26.4219, 35.2638,
54.7049

■ 28.1818, 36.8409,
54.9165

■ 30.4007, 38.6660,
55.1518

■ 33.1146, 40.7577,
55.4126

■ 36.3560, 43.1329,
55.7002

■ 40.1546, 45.8068,
56.0161

■ 44.5379, 48.7937,
56.3616

Harmonies

Analogous

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



21.8098, 31.7669, 38.6932



23.4066, 31.7669, 54.1882



26.8653, 31.7669, 66.1882

Triad

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



23.4066, 31.7669, 54.1882



39.8162, 31.7669, 45.4694



28.8345, 31.7669, 14.1944

Complementary

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



23.4066, 31.7669, 54.1882



21.7934, 11.6908, 1.1090

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.



33.7858, 31.7669, 15.0936



23.4066, 31.7669, 54.1882



40.4898, 31.7669, 30.7854

Square

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



23.4066, 31.7669, 54.1882



36.4279, 31.7669, 60.2818



38.1798, 31.7669, 20.3970



24.7143, 31.7669, 17.4833

Rectangle

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



23.4066, 31.7669, 54.1882



29.9370, 31.7669, 69.1227



38.1798, 31.7669, 20.3970



30.4514, 31.7669, 14.0396

Sweetspot

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



23.4076, 31.7680, 54.1890



64.8032, 77.0278, 99.7315



18.7794, 37.3215, 6.9891



13.6644, 16.5043, 21.8507



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.4076, 31.7680, 54.1890



41.8002, 56.6522, 97.0110



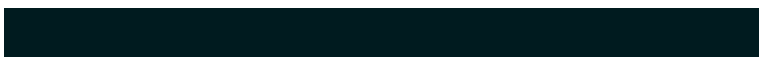
11.8029, 8.5585, 50.3207



9.7079, 10.6080, 12.2081



15.4214, 20.9545, 35.6247



0.6321, 0.8768, 1.4048

Inverse Universe

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



28.5546, 13.9045, 38.2258



51.0788, 24.8768, 68.1381



27.9410, 23.9859, 3.1582



9.8791, 9.6760, 11.7526



18.7848, 9.1451, 25.2239



0.7499, 0.3639, 1.0625

Previews

White Background



This preview shows how the XYZ color 23.4066, 31.7669, 54.1882 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.4066, 31.7669, 54.1882 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 ✓ Pass

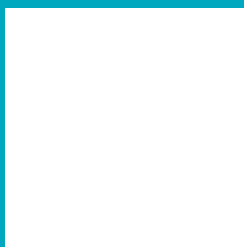
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4066, 31.7669, 54.1882

Background



This preview shows how black text looks on a background with the XYZ color 23.4066, 31.7669, 54.1882.



This preview shows how white text looks on a background with the XYZ color 23.4066, 31.7669,

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

23.4066, 31.7669, 54.1882

Protanopia

31.0574, 31.4989, 47.0908

Deuteranopia

32.0994, 31.3643, 55.9919

Trichromacy



Original Color

23.4066, 31.7669, 54.1882

Protanomaly

25.1184, 29.8600, 49.2394

Deuteranomaly

26.0397, 29.9473, 55.4469

Monochromacy



Original Color

23.4066, 31.7669, 54.1882

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1145, 21.5031, 30.4426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4066, 31.7669, 54.1882 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, 168, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 191)  
}
```

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, 168, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 191) }
```

Border

The CSS property to change the border of an element to XYZ 23.4066, 31.7669, 54.1882 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, 168, 191) }
```

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

```
.border{ border-color:rgb(0, 168, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
191) }
```


Background

The CSS property to change the background color of an element to XYZ 23.4066, 31.7669, 54.1882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 191) }
```

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

```
.background{ background-color: rgb(0, 168,  
191) }
```

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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