

Converting Colors

XYZ(31.9644, 34.1877, 48.0942)

Have a look what the booklet for
XYZ(31.9644, 34.1877, 48.0942)
contains.

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Color

**XYZ(31.9644, 34.1877,
48.0942)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA0B4
RGB	142, 160, 180
RGB Percent	56%, 63%, 71%
CMY	0.4431, 0.3725, 0.2941
CMYK	0.21, 0.11, 0.00, 0.29
HSL	212°, 20%, 63%
HSV	212°, 21%, 71%
XYZ	31.9644, 34.1877, 48.0942
YIQ	156.8980, -17.1480, 2.4040

Conversions

Conversions Part 2

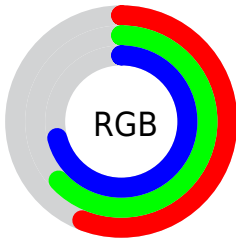
Format	Color
RYB	142, 154, 180
Decimal	9347252
CIELab	65.11, -1.91, -12.47
CIELCh	65, 12.613, 261.285
Yxy	34.1877, 0.2798, 0.2992
Android (android.graphics.Color)	4287537332 (0xFF8EA0B4)
YUV	156.8980, 11.3893, -13.0655
Hunter-Lab	58.4702, -4.7409, -7.8393

Details

The XYZ color **31.9644, 34.1877, 48.0942** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.6256, 37.4971, 30.8994**, and the grayscale version is **31.9588, 33.6231, 36.6156**.

A 20% lighter version of the original color is **62.2057, 66.3928, 88.8934**, and **13.6138, 14.6937, 22.1973** is the 20% darker color. If you saturate the color by 10%, you get **27.5420, 29.5629, 47.4352**, and if you desaturate by 10%, it is **37.0128, 39.3227, 48.8198**.

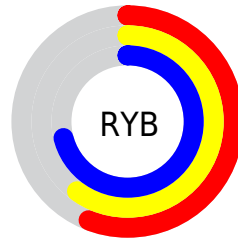
Distribution



Red (56%)

Green (63%)

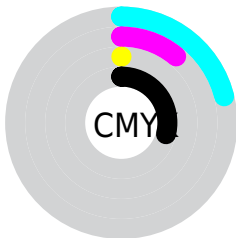
Blue (71%)



Red (56%)

Yellow (60%)

Blue (71%)

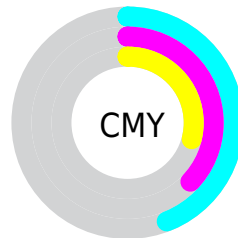


Cyan (21%)

Magenta (11%)

Yellow (0%)

Black (29%)



Cyan (44%)

Magenta (37%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9644, 34.1877, 48.0942 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 31.9644, 34.1877, 48.0942 by changing the saturation by 10% instead.

■ 31.9644, 34.1877,
48.0942

■ 31.9644, 34.1877,
48.0942

302.7052,
320.9682, 395.6849

■ 21.4897, 23.0378,
33.5410

■ 62.1208, 66.2255,
88.7117

■ 13.5969, 14.6214,
22.2667

■ 82.5333, 87.8821,
115.6130

■ 7.9207, 8.5541,
13.8528

106.9891,
113.8099, 147.4674

■ 4.0956, 4.4515,
7.8808

135.8536,
144.3930, 184.6934

■ 1.7564, 1.9292,
3.9321

169.4921,
180.0161, 227.7096

■ 0.4912, 0.5659,
1.5882

208.2699,

■ 0.0000, 0.0000,

221.0633, 276.9346

0.2823

252.5525,
267.9193, 332.7868

■ 0.0000, 0.0000,
0.0000

■ 31.9644, 34.1877,
48.0942

■ 31.9644, 34.1877,
48.0942

■ 27.5420, 29.5629,
47.4352

■ 37.0128, 39.3227,
48.8198

■ 23.7158, 25.4263,
46.8384

■ 42.7089, 44.9805,
49.6117

■ 20.4580, 21.7602,
46.3025

■ 49.0775, 51.1786,
50.4724

■ 17.7375, 18.5440,
45.8251

■ 56.1408, 57.9321,
51.4037

■ 15.5195, 15.7552,
45.4037

■ 63.9201, 65.2559,
52.4073

■ 13.7648, 13.3689,
45.0356

■ 72.4356, 73.1637,
53.4848

■ 12.4275, 11.3564,
44.7176

■ 76.7602, 79.1190,
54.4064

■ 11.5082, 9.8352,
44.4724

■ 79.4125, 84.4237,
55.2905

■ 82.2094, 90.0176,
56.2228

Harmonies

Analogous

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



30.3440, 34.1877, 45.6494



31.9644, 34.1877, 48.0942



33.7878, 34.1877, 47.4203

Triad

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



31.9644, 34.1877, 48.0942



35.8827, 34.1877, 33.6868



29.8268, 34.1877, 31.2737

Complementary

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



31.9644, 34.1877, 48.0942



36.6256, 37.4971, 30.8994

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.



31.2344, 34.1877, 28.6062



31.9644, 34.1877, 48.0942



34.7440, 34.1877, 29.9059

Square

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



31.9644, 34.1877, 48.0942



36.0961, 34.1877, 38.7717



33.0302, 34.1877, 28.1301



29.1406, 34.1877, 35.7192

Rectangle

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



31.9644, 34.1877, 48.0942



34.8705, 34.1877, 45.3176



33.0302, 34.1877, 28.1301



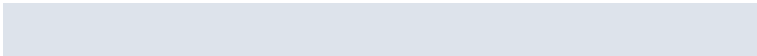
30.2288, 34.1877, 30.1574

Sweetspot

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



31.9654, 34.1891, 48.0950



72.1334, 76.3160, 89.2232



33.9664, 40.9896, 40.1341



15.4489, 16.3538, 19.2646



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.9654, 34.1891, 48.0950



54.3606, 58.2588, 86.6746



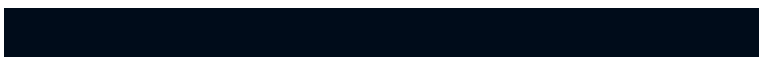
29.1764, 28.4492, 47.1341



8.3629, 8.8720, 10.7780



8.0983, 6.9970, 31.0607



0.3134, 0.3373, 0.9968

Inverse Universe

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



34.8414, 31.5883, 37.5201



60.5118, 52.9721, 63.9950



39.8796, 44.2236, 32.0262



8.6584, 8.5701, 9.6994



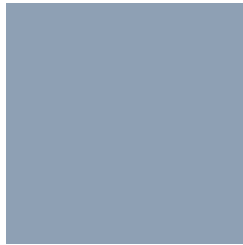
14.3223, 7.2465, 6.8572



0.4802, 0.2398, 0.3714

Previews

White Background



This preview shows how the XYZ color 31.9644, 34.1877, 48.0942 looks on a white background.

Color Contrast Check

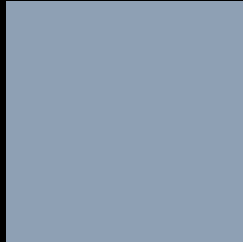
Large Text (above 18pt) WCAG AA × Fail

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 31.9644, 34.1877, 48.0942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

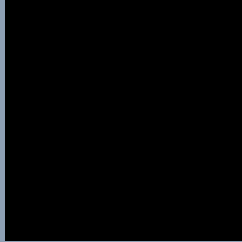
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

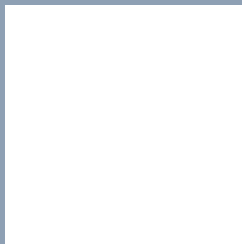
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9644, 34.1877, 48.0942

Background



This preview shows how black text looks on a background with the XYZ color 31.9644, 34.1877, 48.0942.



This preview shows how white text looks on a background with the XYZ color 31.9644, 34.1877,

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

31.9644, 34.1877, 48.0942

Protanopia

33.6104, 34.2969, 46.9680

Deuteranopia

34.7964, 34.1288, 48.4696



Tritanopia

31.3694, 34.2085, 44.9939

Trichromacy



Original Color

31.9644, 34.1877, 48.0942

Protanomaly

32.9412, 34.1924, 47.5114

Deuteranomaly

33.7465, 34.0817, 48.5159

Tritanomaly

31.5658, 34.2870, 46.0287

Monochromacy



Original Color

31.9644, 34.1877, 48.0942

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9673, 33.8457, 40.4453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9644, 34.1877, 48.0942 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(142, 160, 180)` looks like.

```
.text, #text, p{  
    color:rgb(142, 160, 180)  
}
```

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(142, 160, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 160, 180) }
```

Border

The CSS property to change the border of an element to XYZ 31.9644, 34.1877, 48.0942 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(142, 160, 180) }
```


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

```
.border{ border-color:rgb(142, 160, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 160, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 160, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 160, 180);  
box-shadow:4px 4px 4px 4px rgb(142, 160,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9644, 34.1877, 48.0942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 160, 180) }
```

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

```
.background{ background-color: rgb(142,  
160, 180) }
```

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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