

Converting Colors

XYZ(31.0866, 36.3833, 50.1648)

Have a look what the booklet for
XYZ(31.0866, 36.3833, 50.1648)
contains.

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Color

**XYZ(31.0903, 36.3793,
50.1830)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAAB7
RGB	123, 170, 183
RGB Percent	48%, 67%, 72%
CMY	0.5176, 0.3333, 0.2823
CMYK	0.33, 0.07, 0.00, 0.28
HSL	193°, 29%, 60%
HSV	193°, 33%, 72%
XYZ	31.0903, 36.3793, 50.1830
YIQ	157.4290, -32.1850, -5.9210

Conversions

Conversions Part 2

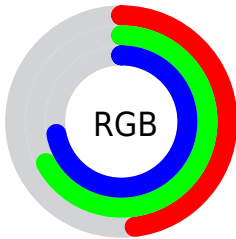
Format	Color
RYB	123, 149, 183
Decimal	8104631
CIELab	66.81, -12.43, -11.71
CIElCh	67, 17.078, 223.311
Yxy	36.3793, 0.2643, 0.3092
Android (android.graphics.Color)	4286294711 (0xFF7BAAB7)
YUV	157.4290, 12.6065, -30.1942
Hunter-Lab	60.3153, -13.5415, -7.1093

Details

The XYZ color **31.0903, 36.3793, 50.1830** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.9082, 29.1059, 22.6759**, and the grayscale version is **32.1972, 33.8740, 36.8888**.

A 20% lighter version of the original color is **60.6367, 69.4295, 91.8667**, and **13.1062, 15.9082, 23.4989** is the 20% darker color. If you saturate the color by 10%, you get **27.9814, 33.6908, 49.8285**, and if you desaturate by 10%, it is **34.7132, 39.3678, 50.5695**.

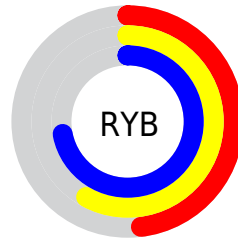
Distribution



Red (48%)

Green (67%)

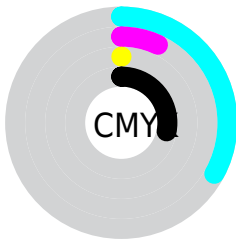
Blue (72%)



Red (48%)

Yellow (58%)

Blue (72%)

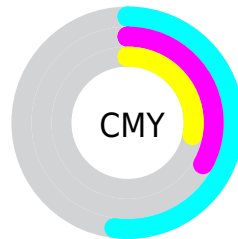


Cyan (33%)

Magenta (7%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (33%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0903, 36.3793, 50.1830 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 31.0903, 36.3793, 50.1830 by changing the saturation by 10% instead.

■ 31.0903, 36.3793,
50.1830

■ 31.0903, 36.3793,
50.1830

298.7736,
330.6154, 404.1367

■ 20.8198, 24.7273,
35.1866

■ 60.7571, 69.6171,
91.8451

■ 13.1040, 15.8740,
23.5220

■ 80.8841, 91.9717,
119.3478

■ 7.5777, 9.4350,
14.7705

■ 105.0272,
118.6626, 151.8565

■ 3.8755, 5.0260,
8.5136

133.5520,
150.0741, 189.7895

■ 1.6319, 2.2625,
4.3329

166.8236,
186.5908, 233.5655

■ 0.4131, 0.7538,
1.8097

205.2075,

■ 0.0000, 0.0000,

228.5970, 283.6030

0.4343

249.0691,
276.4770, 340.3206

■ 0.0000, 0.0000,
0.0000

■ 31.0903, 36.3793,
50.1830

■ 31.0903, 36.3793,
50.1830

■ 27.9814, 33.6908,
49.8285

■ 34.7132, 39.3678,
50.5695

■ 25.3557, 31.2834,
49.5023

■ 38.8721, 42.6654,
50.9868

■ 23.1840, 29.1428,
49.2035

■ 43.5919, 46.2860,
51.4369

■ 21.4326, 27.2513,
48.9308

■ 48.8947, 50.2412,
51.9208

■ 20.0629, 25.5886,
48.6820

■ 54.8016, 54.5422,
52.4397

■ 19.0286, 24.1307,
48.4551

■ 61.3324, 59.1995,
52.9944

■ 18.4235, 23.1711,
48.3018

■ 68.5061, 64.2233,
53.5860

■ 70.8420, 66.7882,
53.9580

■ 71.7825, 68.6692,
54.2715

Harmonies

Analogous

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



29.9690, 36.3793, 42.9744



31.0903, 36.3793, 50.1830



33.1716, 36.3793, 54.8458

Triad

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



31.0903, 36.3793, 50.1830



39.5527, 36.3793, 43.8347



33.4473, 36.3793, 27.3262

Complementary

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



31.0903, 36.3793, 50.1830



31.9082, 29.1059, 22.6759

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.



36.0224, 36.3793, 27.4959



31.0903, 36.3793, 50.1830



39.6356, 36.3793, 36.4276

Square

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



31.0903, 36.3793, 50.1830



38.0949, 36.3793, 50.8800



38.3160, 36.3793, 30.6388



31.2834, 36.3793, 30.1422

Rectangle

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



31.0903, 36.3793, 50.1830



34.8649, 36.3793, 55.5632



38.3160, 36.3793, 30.6388



34.2916, 36.3793, 27.0476

Sweetspot

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



31.0914, 36.3807, 50.1838



71.7351, 78.0547, 91.5209



29.4757, 39.8279, 29.0564



15.5923, 17.0449, 20.1898



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.0914, 36.3807, 50.1838



51.7677, 61.7966, 89.4352



26.2412, 26.6804, 48.5671



9.0971, 9.8715, 11.5054



12.9041, 16.2679, 33.7130



0.4966, 0.6569, 1.2024

Inverse Universe

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



33.8680, 27.1363, 41.4846



57.5881, 43.1935, 71.0252



36.5594, 38.4083, 24.2263



9.2954, 9.1285, 10.9029



17.1271, 8.4246, 19.0879



0.6248, 0.3054, 0.7837

Previews

White Background



This preview shows how the XYZ color 31.0903, 36.3793, 50.1830 looks on a white background.

Color Contrast Check

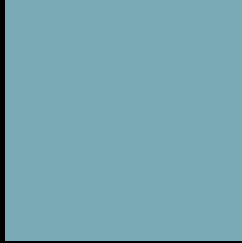
Large Text (above 18pt) WCAG AA × Fail

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 31.0903, 36.3793, 50.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

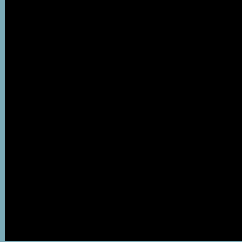
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0903, 36.3793, 50.1830

Background



This preview shows how black text looks on a background with the XYZ color 31.0903, 36.3793, 50.1830.



This preview shows how white text looks on a background with the XYZ color 31.0903, 36.3793,

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

31.0903, 36.3793, 50.1830

Protanopia

35.1779, 36.1376, 46.7162

Deuteranopia

37.0261, 36.2144, 51.4930



Tritanopia

31.1948, 36.4211, 50.7332

Trichromacy



Original Color

31.0903, 36.3793, 50.1830

Protanomaly

33.4448, 36.0086, 47.8355

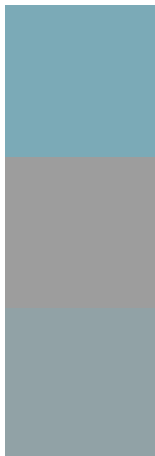
Deuteranomaly

34.4398, 35.9228, 51.0176

Tritanomaly

31.1948, 36.4211, 50.7332

Monochromacy



Original Color

31.0903, 36.3793, 50.1830

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.4803, 34.6136, 41.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0903, 36.3793, 50.1830 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(123, 170, 183)` looks like.

```
.text, #text, p{  
    color:rgb(123, 170, 183)  
}
```

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(123, 170, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 170, 183) }
```

Border

The CSS property to change the border of an element to XYZ 31.0903, 36.3793, 50.1830 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(123, 170, 183) }
```


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

```
.border{ border-color:rgb(123, 170, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 170, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 170, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 170, 183);  
box-shadow:4px 4px 4px 4px rgb(123, 170,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0903, 36.3793, 50.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 170, 183) }
```

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

```
.background{ background-color: rgb(123,  
170, 183) }
```

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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