

Converting Colors

XYZ(31.2218, 30.4731, 50.1784)

Have a look what the booklet for
XYZ(31.2218, 30.4731, 50.1784)
contains.

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Color

**XYZ(31.2233, 30.5733,
50.1545)**

Conversions

Conversions Part 1

Format	Color
Hex	9393B9
RGB	147, 147, 185
RGB Percent	58%, 58%, 73%
CMY	0.4235, 0.4235, 0.2745
CMYK	0.21, 0.21, 0.00, 0.27
HSL	240°, 21%, 65%
HSV	240°, 21%, 73%
XYZ	31.2233, 30.5733, 50.1545
YIQ	151.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

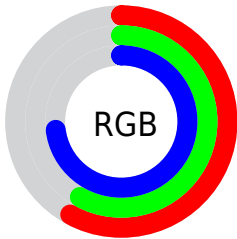
Format	Color
RYB	147, 147, 185
Decimal	9671609
CIELab	62.15, 8.16, -19.72
CIElCh	62, 21.347, 292.482
Yxy	30.5733, 0.2789, 0.2731
Android (android.graphics.Color)	4287861689 (0xFF9393B9)
YUV	151.3320, 16.5983, -3.7992
Hunter-Lab	55.2931, 4.0336, -15.0747

Details

The XYZ color **31.2233, 30.5733, 50.1545** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.6232, 47.1187, 34.4529**, and the grayscale version is **29.4932, 31.0292, 33.7908**.

A 20% lighter version of the original color is **60.8512, 60.5417, 91.6976**, and **13.2634, 12.7021, 23.5825** is the 20% darker color. If you saturate the color by 10%, you get **25.5199, 23.7012, 49.1292**, and if you desaturate by 10%, it is **37.9247, 38.6481, 51.3604**.

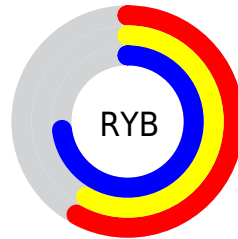
Distribution



Red (58%)

Green (58%)

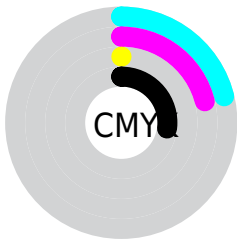
Blue (73%)



Red (58%)

Yellow (58%)

Blue (73%)

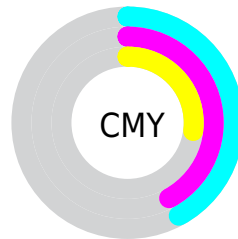


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (42%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2233, 30.5733, 50.1545 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 31.2233, 30.5733, 50.1545 by changing the saturation by 10% instead.

■ 31.2233, 30.5733,
50.1545

■ 31.2233, 30.5733,
50.1545

299.3743,
304.5677, 404.0222

■ 20.9216, 20.2741,
35.1641

■ 60.9649, 60.5676,
91.8024

■ 13.1788, 12.5945,
23.5048

■ 81.1355, 81.0316,
119.2970

■ 7.6297, 7.1499,
14.7579

105.3265,
105.6527, 151.7968

■ 3.9087, 3.5560,
8.5049

133.9032,
134.8152, 189.7203

■ 1.6506, 1.4285,
4.3273

167.2310,
168.9035, 233.4861

■ 0.4251, 0.2375,
1.8066

205.6752,

■ 0.0000, 0.0000,

208.3021, 283.5126

0.4323

249.6012,
253.3954, 340.2185

■ 0.0000, 0.0000,
0.0000

■ 31.2233, 30.5733,
50.1545

■ 31.2233, 30.5733,
50.1545

■ 25.5199, 23.7012,
49.1292

■ 37.9247, 38.6481,
51.3604

■ 20.7641, 17.9708,
48.2737

■ 45.6657, 47.9753,
52.7527

■ 16.9055, 13.3214,
47.5797

■ 54.4887, 58.6064,
54.3397

■ 13.8878, 9.6852,
47.0369

■ 64.4332, 70.5887,
56.1284

■ 11.6483, 6.9868,
46.6341

■ 75.5367, 83.9675,
58.1255

■ 10.1157, 5.1401,
46.3584

■ 85.7570, 96.2828,
59.9640

■ 9.2057, 4.0435,
46.1947

■ 8.7571, 3.5030,
46.1140

Harmonies

Analogous

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



28.3421, 30.5733, 51.5692



31.2233, 30.5733, 50.1545



33.6651, 30.5733, 43.8853

Triad

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



31.2233, 30.5733, 50.1545



32.5553, 30.5733, 22.2500



23.9185, 30.5733, 31.2614

Complementary

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



31.2233, 30.5733, 50.1545



42.6232, 47.1187, 34.4529

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.



24.8934, 30.5733, 24.5526



31.2233, 30.5733, 50.1545



29.7879, 30.5733, 19.9372

Square

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



31.2233, 30.5733, 50.1545



34.4688, 30.5733, 27.5977



26.9971, 30.5733, 20.7046



24.2471, 30.5733, 39.7137

Rectangle

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



31.2233, 30.5733, 50.1545



34.6525, 30.5733, 38.2828



26.9971, 30.5733, 20.7046



24.1023, 30.5733, 28.7498

Sweetspot

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



31.2243, 30.5745, 50.1552



73.8456, 76.3550, 93.0505



38.0724, 44.3776, 52.1088



15.7296, 16.2316, 20.0256



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.



31.2243, 30.5745, 50.1552



50.7300, 48.5024, 88.8928



34.7848, 32.4097, 50.3218



8.5212, 8.7195, 11.3134



5.9628, 2.3852, 31.3992



0.2102, 0.0841, 1.1069

Inverse Universe

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



35.7085, 33.2891, 32.1486



60.3248, 54.3108, 50.3647



38.4750, 44.9807, 34.2589



9.0046, 9.0122, 9.3719



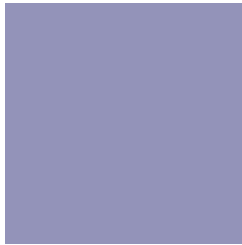
13.6234, 7.0231, 0.6377



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 31.2233, 30.5733, 50.1545 looks on a white background.

Color Contrast Check

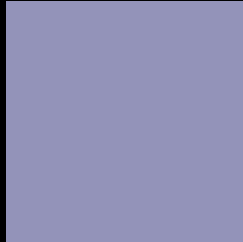
Large Text (above 18pt) WCAG AA × Fail

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 31.2233, 30.5733, 50.1545 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 31.2233, 30.5733, 50.1545

Background



This preview shows how black text looks on a background with the XYZ color 31.2233, 30.5733, 50.1545.



This preview shows how white text looks on a background with the XYZ color 31.2233, 30.5733,

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

31.2233, 30.5733, 50.1545

Protanopia

30.5949, 30.7028, 50.7681

Deuteranopia

31.2233, 30.5733, 50.1545



Tritanopia

29.0052, 30.6172, 39.0313

Trichromacy



Original Color

31.2233, 30.5733, 50.1545

Protanomaly

30.7805, 30.5646, 50.7316

Deuteranomaly

31.2233, 30.5733, 50.1545

Tritanomaly

29.7586, 30.6823, 42.8819

Monochromacy



Original Color

31.2233, 30.5733, 50.1545

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.0949, 30.9411, 39.0364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2233, 30.5733, 50.1545 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(147, 147, 185)` looks like.

```
.text, #text, p{  
    color:rgb(147, 147, 185)  
}
```

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(147, 147, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 147, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.2233, 30.5733, 50.1545 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(147, 147, 185) }
```


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

```
.border{ border-color:rgb(147, 147, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 147, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 147, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 147, 185);  
box-shadow:4px 4px 4px 4px rgb(147, 147,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2233, 30.5733, 50.1545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 147, 185) }
```

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

```
.background{ background-color: rgb(147,  
147, 185) }
```

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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