

Converting Colors

XYZ(31.9595, 31.1335, 65.9835)

Have a look what the booklet for
XYZ(31.9595, 31.1335, 65.9835)
contains.

XYZ(31.8654, 31.0233, 65.9366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8654, 31.0233,
65.9366)**

Conversions

Conversions Part 1

Format	Color
Hex	8395D3
RGB	131, 149, 211
RGB Percent	51%, 58%, 83%
CMY	0.4863, 0.4157, 0.1725
CMYK	0.38, 0.29, 0.00, 0.17
HSL	227°, 48%, 67%
HSV	227°, 38%, 83%
XYZ	31.8654, 31.0233, 65.9366
YIQ	150.6860, -30.6300, 15.4660

Conversions

Conversions Part 2

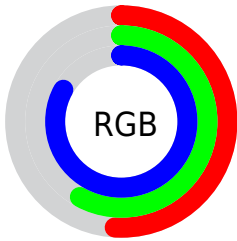
Format	Color
R_{YB}	131, 146, 211
Decimal	8623571
CIE Lab	62.53, 8.87, -33.82
CIE LCh	63, 34.959, 284.694
Yxy	31.0233, 0.2474, 0.2408
Android (android.graphics.Color)	4286813651 (0xFF8395D3)
YUV	150.6860, 29.7348, -17.2646
Hunter-Lab	55.6986, 4.6482, -31.1992

Details

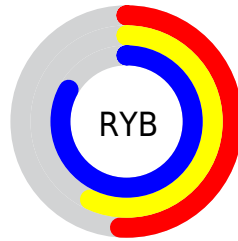
The XYZ color **31.8654, 31.0233, 65.9366** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.0316, 53.6287, 29.1885**, and the grayscale version is **29.1687, 30.6877, 33.4189**.

A 20% lighter version of the original color is **59.6556, 60.3710, 103.1163**, and **13.6045, 12.9437, 33.2338** is the 20% darker color. If you saturate the color by 10%, you get **26.5161, 24.6913, 64.9969**, and if you desaturate by 10%, it is **38.2456, 38.4272, 67.0300**.

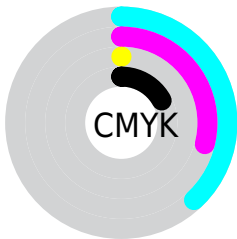
Distribution



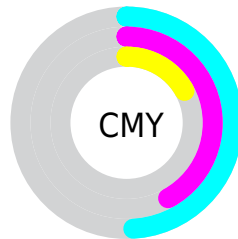
- Red (51%)
- Green (58%)
- Blue (83%)



- Red (51%)
- Yellow (57%)
- Blue (83%)



- Cyan (38%)
- Magenta (29%)
- Yellow (0%)
- Black (17%)



- Cyan (49%)
- Magenta (42%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8654, 31.0233, 65.9366 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 31.8654, 31.0233, 65.9366 by changing the saturation by 10% instead.

■ 31.8654, 31.0233,
65.9366

■ 31.8654, 31.0233,
65.9366

302.2618,
306.6456, 464.5481

■ 21.4138, 20.6166,
47.7648

■ 61.9666, 61.2768,
115.0215

■ 13.5410, 12.8440,
33.2820

■ 82.3469, 81.8923,
146.7716

■ 7.8817, 7.3212,
22.0697

■ 106.7675,
106.6796, 183.8849

■ 4.0705, 3.6638,
13.7093

135.5937,
136.0229, 226.7799

■ 1.7421, 1.4873,
7.7823

169.1909,
170.3069, 275.8752

■ 0.4824, 0.2798,
3.8702

207.9244,

■ 0.0000, 0.0000,

209.9157, 331.5893

1.5544

252.1596,
255.2338, 394.3408

■ 0.0000, 0.0000,
0.2580

■ 0.0000, 0.0000,
0.0000

■ 31.8654, 31.0233,
65.9366

■ 31.8654, 31.0233,
65.9366

■ 26.5161, 24.6913,
64.9969

■ 38.2456, 38.4272,
67.0300

■ 22.1387, 19.3767,
64.2018

■ 45.7049, 46.9471,
68.2813

■ 18.6731, 15.0252,
63.5445

■ 54.2922, 56.6287,
69.6975

■ 16.0508, 11.5756,
63.0169

■ 64.0525, 67.5142,
71.2842

■ 14.1928, 8.9591,
62.6098

■ 75.0282, 79.6435,
73.0469

■ 12.9920, 7.0893,
62.3122

■ 86.2951, 92.5574,
74.9457

■ 12.7935, 6.7743,
62.2618

■ 88.7580, 97.4832,
75.7666

Harmonies

Analogous

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



27.1401, 31.0233, 65.8236



31.8654, 31.0233, 65.9366



36.3905, 31.0233, 56.0026

Triad

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



31.8654, 31.0233, 65.9366



36.4700, 31.0233, 18.5160



21.5232, 31.0233, 27.3321

Complementary

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



31.8654, 31.0233, 65.9366



50.0316, 53.6287, 29.1885

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.



23.5165, 31.0233, 18.3838



31.8654, 31.0233, 65.9366



31.9648, 31.0233, 14.3051

Square

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



31.8654, 31.0233, 65.9366



39.2365, 31.0233, 27.5673



27.2295, 31.0233, 14.2643



21.5027, 31.0233, 40.8603

Rectangle

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



31.8654, 31.0233, 65.9366



38.5414, 31.0233, 46.2436



27.2295, 31.0233, 14.2643



21.9744, 31.0233, 23.7835

Sweetspot

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



31.8665, 31.0245, 65.9373



78.9257, 81.9685, 106.2694



42.2067, 55.2352, 58.5008



16.5009, 17.1028, 22.6814



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.



31.8665, 31.0245, 65.9373



42.5560, 40.1143, 100.1076



32.8867, 27.6447, 65.2312



11.3764, 11.8430, 14.9300



7.7847, 4.2160, 37.5960



0.4964, 0.3580, 2.1225

Inverse Universe

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



40.4060, 32.2526, 32.5306



57.5438, 42.8450, 41.3461



48.5439, 59.1322, 30.3292



11.9161, 11.8512, 12.8341



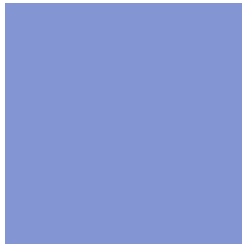
16.5601, 8.4969, 2.5897



0.9568, 0.4874, 0.3073

Previews

White Background



This preview shows how the XYZ color 31.8654, 31.0233, 65.9366 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 31.8654, 31.0233, 65.9366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

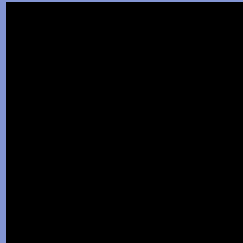
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8654, 31.0233, 65.9366

Background



This preview shows how black text looks on a background with the XYZ color 31.8654, 31.0233, 65.9366.



This preview shows how white text looks on a background with the XYZ color 31.8654, 31.0233,

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

31.8654, 31.0233, 65.9366

Protanopia

32.0210, 31.1036, 65.9439

Deuteranopia

31.7112, 30.9439, 65.9294



Tritanopia

27.1978, 31.0812, 42.5960

Trichromacy



Original Color

31.8654, 31.0233, 65.9366

Protanomaly

32.0210, 31.1036, 65.9439

Deuteranomaly

31.7112, 30.9439, 65.9294

Tritanomaly

28.7700, 30.9740, 50.3612

Monochromacy



Original Color

31.8654, 31.0233, 65.9366

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9508, 30.7591, 43.8937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8654, 31.0233, 65.9366 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(131, 149, 211)` looks like.

```
.text, #text, p{  
    color:rgb(131, 149, 211)  
}
```

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(131, 149, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 149, 211) }
```

Border

The CSS property to change the border of an element to XYZ 31.8654, 31.0233, 65.9366 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(131, 149, 211) }
```


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

```
.border{ border-color:rgb(131, 149, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 149, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 149, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 149, 211); box-shadow:4px 4px 4px 4px rgb(131, 149, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8654, 31.0233, 65.9366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 149, 211) }
```

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

```
.background{ background-color: rgb(131,  
149, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor