

Converting Colors

XYZ(32.2191, 31.1470, 68.6038)

Have a look what the booklet for
XYZ(32.2191, 31.1470, 68.6038)
contains.

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Color

**XYZ(32.2191, 31.1470,
68.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	8295D7
RGB	130, 149, 215
RGB Percent	51%, 58%, 84%
CMY	0.4902, 0.4157, 0.1569
CMYK	0.40, 0.31, 0.00, 0.16
HSL	227°, 52%, 68%
HSV	227°, 40%, 84%
XYZ	32.2191, 31.1470, 68.6038
YIQ	150.8430, -32.5100, 16.4980

Conversions

Conversions Part 2

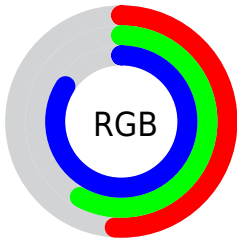
Format	Color
RYB	130, 146, 215
Decimal	8558039
CIELab	62.63, 9.70, -35.89
CIElCh	63, 37.174, 285.123
Yxy	31.1470, 0.2441, 0.2360
Android (android.graphics.Color)	4286748119 (0xFF8295D7)
YUV	150.8430, 31.6294, -18.2793
Hunter-Lab	55.8095, 5.3823, -33.8156

Details

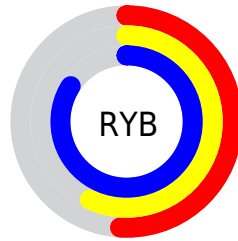
The XYZ color **32.2191, 31.1470, 68.6038** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.7945, 55.5398, 29.1108**, and the grayscale version is **29.2283, 30.7505, 33.4872**.

A 20% lighter version of the original color is **59.6556, 60.3710, 103.1163**, and **13.7875, 12.9982, 35.0399** is the 20% darker color. If you saturate the color by 10%, you get **26.8048, 24.7124, 67.6477**, and if you desaturate by 10%, it is **38.7032, 38.6963, 69.7198**.

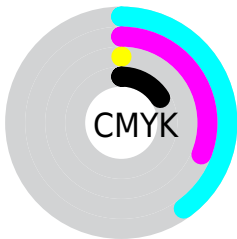
Distribution



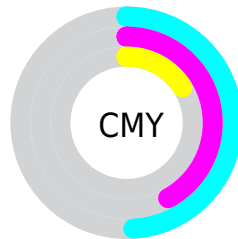
- Red (51%)
- Green (58%)
- Blue (84%)



- Red (51%)
- Yellow (57%)
- Blue (84%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (49%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2191, 31.1470, 68.6038 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 32.2191, 31.1470, 68.6038 by changing the saturation by 10% instead.

■ 32.2191, 31.1470,
68.6038

■ 32.2191, 31.1470,
68.6038

303.8437,
307.2150, 474.2884

■ 21.6853, 20.7108,
49.9194

■ 62.5173, 61.4714,
118.8779

■ 13.7411, 12.9128,
34.9786

■ 83.0124, 82.1285,
151.3046

■ 8.0213, 7.3685,
23.3630

■ 107.5585,
106.9612, 189.1491

■ 4.1605, 3.6936,
14.6539

136.5212,
136.3541, 232.8301

■ 1.7933, 1.5037,
8.4330

170.2657,
170.6916, 282.7659

■ 0.5137, 0.2913,
4.2815

209.1574,

■ 0.0000, 0.0000,

210.3579, 339.3752

1.7810

253.5616,
255.7376, 403.0765

■ 0.0000, 0.0000,
0.4154

■ 0.0000, 0.0000,
0.0000

■ 32.2191, 31.1470,
68.6038

■ 32.2191, 31.1470,
68.6038

■ 26.8048, 24.7124,
67.6477

■ 38.7032, 38.6963,
69.7198

■ 22.3976, 19.3347,
66.8420

■ 46.3085, 47.4074,
71.0004

■ 18.9335, 14.9559,
66.1794

■ 55.0867, 57.3287,
72.4527

■ 16.3390, 11.5105,
65.6511

■ 65.0855, 68.5049,
74.0829

■ 14.5289, 8.9245,
65.2474

■ 76.3497, 80.9783,
75.8968

■ 13.3699, 7.0958,
64.9555

■ 87.4336, 94.0219,
77.8303

■ 13.3252, 7.0250,
64.9442

■ 89.2658, 97.6863,
78.4411

Harmonies

Analogous

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



27.1731, 31.1470, 68.6534



32.2191, 31.1470, 68.6038



37.0575, 31.1470, 57.6524

Triad

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



32.2191, 31.1470, 68.6038



37.0232, 31.1470, 17.7371



21.1524, 31.1470, 27.2435

Complementary

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



32.2191, 31.1470, 68.6038



51.7945, 55.5398, 29.1108

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.



23.2241, 31.1470, 17.7922



32.2191, 31.1470, 68.6038



32.1764, 31.1470, 13.4652

Square

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



32.2191, 31.1470, 68.6038



40.0390, 31.1470, 27.1437



27.1349, 31.1470, 13.4820



21.1610, 31.1470, 41.7252

Rectangle

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



32.2191, 31.1470, 68.6038



39.3501, 31.1470, 47.0555



27.1349, 31.1470, 13.4820



21.6172, 31.1470, 23.4796

Sweetspot

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



32.2202, 31.1482, 68.6045



77.5577, 80.4174, 106.0421



43.3765, 57.2952, 60.5024



16.2272, 16.7915, 22.6358



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.



32.2202, 31.1482, 68.6045



40.9755, 38.2026, 99.8219



33.3236, 27.6128, 67.8640



11.9655, 12.4544, 15.7108



8.0356, 4.3329, 38.8660



0.5477, 0.3873, 2.3652

Inverse Universe

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



41.4327, 32.5835, 32.5403



56.4411, 41.2363, 39.1387



50.1533, 61.4633, 30.3407



12.5358, 12.4658, 13.4957



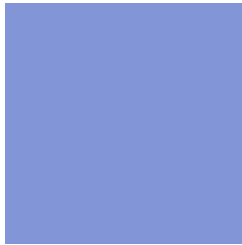
17.1148, 8.7823, 2.6428



1.0641, 0.5424, 0.3269

Previews

White Background



This preview shows how the XYZ color 32.2191, 31.1470, 68.6038 looks on a white background.

Color Contrast Check

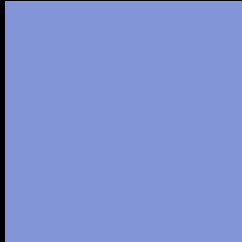
Large Text (above 18pt) WCAG AA × Fail

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 32.2191, 31.1470, 68.6038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

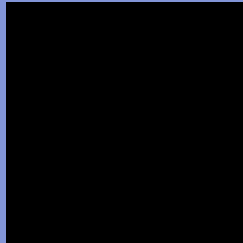
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2191, 31.1470, 68.6038

Background



This preview shows how black text looks on a background with the XYZ color 32.2191, 31.1470, 68.6038.



This preview shows how white text looks on a background with the XYZ color 32.2191, 31.1470,

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

32.2191, 31.1470, 68.6038

Protanopia

32.2191, 31.1470, 68.6038

Deuteranopia

32.0742, 31.3082, 68.6426



Tritanopia

27.0903, 31.2779, 42.6396

Trichromacy



Original Color

32.2191, 31.1470, 68.6038

Protanomaly

32.2191, 31.1470, 68.6038

Deuteranomaly

32.2253, 31.3861, 68.6496

Tritanomaly

28.7526, 31.1988, 50.9609

Monochromacy



Original Color

32.2191, 31.1470, 68.6038

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.8740, 30.7083, 44.3972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2191, 31.1470, 68.6038 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(130, 149, 215)` looks like.

```
.text, #text, p{  
    color:rgb(130, 149, 215)  
}
```

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(130, 149, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 149, 215) }
```

Border

The CSS property to change the border of an element to XYZ 32.2191, 31.1470, 68.6038 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(130, 149, 215) }
```


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

```
.border{ border-color:rgb(130, 149, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 149, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 149, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 149, 215);  
box-shadow:4px 4px 4px 4px rgb(130, 149,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2191, 31.1470, 68.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 149, 215) }
```

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

```
.background{ background-color: rgb(130,  
149, 215) }
```

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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