

Converting Colors

XYZ(31.8264, 28.5664, 71.3867)

Have a look what the booklet for
XYZ(31.8264, 28.5664, 71.3867)
contains.

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Color

**XYZ(31.8238, 28.6191,
71.5569)**

Conversions

Conversions Part 1

Format	Color
Hex	858BDC
RGB	133, 139, 220
RGB Percent	52%, 55%, 86%
CMY	0.4784, 0.4549, 0.1373
CMYK	0.40, 0.37, 0.00, 0.14
HSL	236°, 55%, 69%
HSV	236°, 40%, 86%
XYZ	31.8238, 28.6191, 71.5569
YIQ	146.4400, -29.5770, 23.9190

Conversions

Conversions Part 2

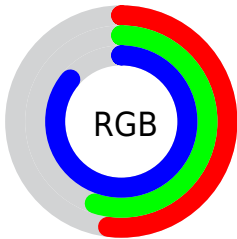
Format	Color
R_{YB}	133, 139, 220
Decimal	8752092
CIE _{Lab}	60.44, 17.70, -42.08
CIE _{LCh}	60, 45.653, 292.806
Yxy	28.6191, 0.2411, 0.2168
Android (android.graphics.Color)	4286942172 (0xFF858BDC)
YUV	146.4400, 36.2651, -11.7869
Hunter-Lab	53.4968, 12.5653, -41.8580

Details

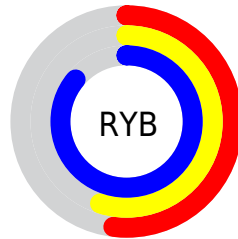
The XYZ color **31.8238, 28.6191, 71.5569** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.7966, 65.0038, 31.6926**, and the grayscale version is **27.3675, 28.7927, 31.3553**.

A 20% lighter version of the original color is **57.8859, 55.7381, 102.3154**, and **13.4151, 11.4448, 36.6240** is the 20% darker color. If you saturate the color by 10%, you get **26.0142, 21.6266, 70.5140**, and if you desaturate by 10%, it is **38.9186, 37.1000, 72.8205**.

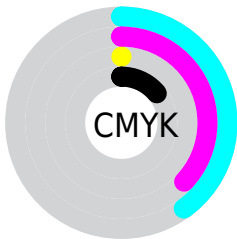
Distribution



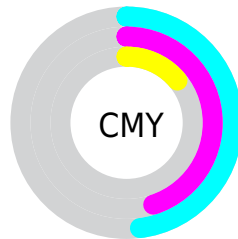
- Red (52%)
- Green (55%)
- Blue (86%)



- Red (52%)
- Yellow (55%)
- Blue (86%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8238, 28.6191, 71.5569 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 31.8238, 28.6191, 71.5569 by changing the saturation by 10% instead.

■ 31.8238, 28.6191,
71.5569

■ 31.8238, 28.6191,
71.5569

302.0754,
295.4135, 484.9339

■ 21.3818, 18.7929,
52.3122

■ 61.9018, 57.4714,
123.1282

■ 13.5175, 11.5207,
36.8700

■ 82.2686, 77.2662,
156.2919

■ 7.8653, 6.4182,
24.8119

■ 106.6744,
101.1526, 194.9322

■ 4.0599, 3.1010,
15.7192

135.4845,
129.5151, 239.4679

■ 1.7361, 1.1847,
9.1735

169.0643,
162.7381, 290.3173

■ 0.4787, 0.0492,
4.7561

207.7791,

■ 0.0000, 0.0000,

201.2059, 347.8991

2.0487

251.9944,
245.3029, 412.6318

■ 0.0000, 0.0000,
0.5850

■ 0.0000, 0.0000,
0.0000

■ 31.8238, 28.6191,
71.5569

■ 31.8238, 28.6191,
71.5569

■ 26.0142, 21.6266,
70.5140

■ 38.9186, 37.1000,
72.8205

■ 21.4096, 16.0335,
69.6771

■ 47.3658, 47.1449,
74.3141

■ 17.9261, 11.7462,
69.0331

■ 57.2319, 58.8283,
76.0493

■ 15.4673, 8.6584,
68.5667

■ 68.5779, 72.2189,
78.0359

■ 13.9206, 6.6471,
68.2600

■ 81.4614, 87.3815,
80.2835

■ 13.1178, 5.5475,
68.0901

■ 89.9184, 97.9473,
81.8772

■ 13.0916, 5.5138,
68.0850

Harmonies

Analogous

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



25.8101, 28.6191, 75.5931



31.8238, 28.6191, 71.5569



37.2391, 28.6191, 55.1213

Triad

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



31.8238, 28.6191, 71.5569



34.6251, 28.6191, 11.8294



17.4553, 28.6191, 27.2797

Complementary

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



31.8238, 28.6191, 71.5569



57.7966, 65.0038, 31.6926

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.



19.1523, 28.6191, 15.3991



31.8238, 28.6191, 71.5569



28.6422, 28.6191, 8.8106

Square

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



31.8238, 28.6191, 71.5569



39.0122, 28.6191, 20.2196



23.0501, 28.6191, 9.8282



18.0534, 28.6191, 45.4735

Rectangle

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



31.8238, 28.6191, 71.5569



39.4957, 28.6191, 41.7470



23.0501, 28.6191, 9.8282



17.7668, 28.6191, 22.5359

Sweetspot

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



31.8249, 28.6202, 71.5576



76.2498, 77.8017, 105.6062



47.2456, 60.9652, 72.0626



15.9218, 16.1808, 22.5340



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.



31.8249, 28.6202, 71.5576



37.9505, 32.1526, 98.8136



37.7229, 30.4066, 71.5915



12.4104, 12.7606, 16.4611



7.7125, 3.2945, 39.9678



0.5255, 0.2652, 2.5979

Inverse Universe

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



42.5639, 33.8561, 28.7185



54.9142, 40.6256, 31.0983



49.5352, 63.0402, 31.7490



13.0923, 13.0660, 13.7472



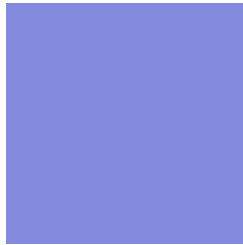
17.3883, 8.9563, 1.1587



1.1396, 0.5855, 0.1438

Previews

White Background



This preview shows how the XYZ color 31.8238, 28.6191, 71.5569 looks on a white background.

Color Contrast Check

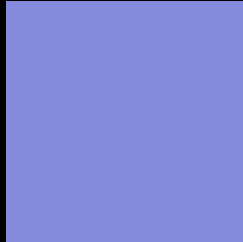
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8238, 28.6191, 71.5569 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 × Fail

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

XYZ 31.8238, 28.6191, 71.5569

Background



This preview shows how black text looks on a background with the XYZ color 31.8238, 28.6191, 71.5569.



This preview shows how white text looks on a background with the XYZ color 31.8238, 28.6191,

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

31.8238, 28.6191, 71.5569

Protanopia

30.4779, 28.7545, 73.7559

Deuteranopia

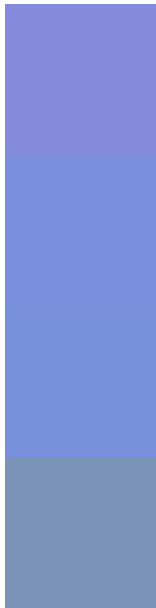
29.5937, 28.8100, 71.0190



Tritanopia

25.2852, 28.6995, 38.8572

Trichromacy



Original Color

31.8238, 28.6191, 71.5569

Protanomaly

31.0262, 28.8309, 73.0369

Deuteranomaly

30.3544, 28.7525, 70.9678

Tritanomaly

27.3976, 28.6132, 49.4263

Monochromacy



Original Color

31.8238, 28.6191, 71.5569

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.3498, 28.3248, 43.5082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8238, 28.6191, 71.5569 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(133, 139, 220)` looks like.

```
.text, #text, p{  
    color:rgb(133, 139, 220)  
}
```

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(133, 139, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 139, 220) }
```

Border

The CSS property to change the border of an element to XYZ 31.8238, 28.6191, 71.5569 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(133, 139, 220) }
```


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

```
.border{ border-color:rgb(133, 139, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 139, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 139, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 139, 220);  
box-shadow:4px 4px 4px 4px rgb(133, 139,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8238, 28.6191, 71.5569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 139, 220) }
```

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

```
.background{ background-color: rgb(133,  
139, 220) }
```

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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