

Converting Colors

XYZ(31.5720, 29.3045, 65.5783)

Have a look what the booklet for
XYZ(31.5720, 29.3045, 65.5783)
contains.

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Color

**XYZ(31.5842, 29.2834,
65.6156)**

Conversions

Conversions Part 1

Format	Color
Hex	888ED3
RGB	136, 142, 211
RGB Percent	53%, 56%, 83%
CMY	0.4667, 0.4431, 0.1725
CMYK	0.36, 0.33, 0.00, 0.17
HSL	235°, 46%, 68%
HSV	235°, 36%, 83%
XYZ	31.5842, 29.2834, 65.6156
YIQ	148.0720, -25.7250, 20.1870

Conversions

Conversions Part 2

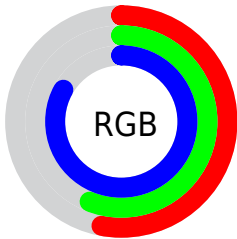
Format	Color
R_{YB}	136, 142, 211
Decimal	8949459
CIE _{Lab}	61.03, 14.29, -36.12
CIE _{LCh}	61, 38.845, 291.588
Y _{xy}	29.2834, 0.2497, 0.2315
Android (android.graphics.Color)	4287139539 (0xFF888ED3)
YUV	148.0720, 31.0235, -10.5871
Hunter-Lab	54.1141, 9.4834, -34.0116

Details

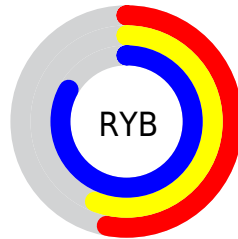
The XYZ color **31.5842, 29.2834, 65.6156** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.1400, 59.2899, 31.9370**, and the grayscale version is **28.0616, 29.5230, 32.1505**.

A 20% lighter version of the original color is **59.2758, 57.7762, 102.6355**, and **13.3952, 11.8936, 33.0422** is the 20% darker color. If you saturate the color by 10%, you get **25.8477, 22.4060, 64.5910**, and if you desaturate by 10%, it is **38.5002, 37.5167, 66.8408**.

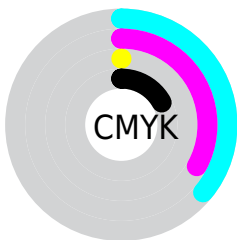
Distribution



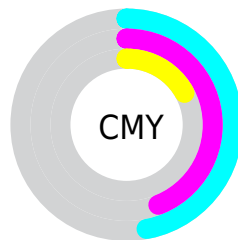
- Red (53%)
- Green (56%)
- Blue (83%)



- Red (53%)
- Yellow (56%)
- Blue (83%)



- Cyan (36%)
- Magenta (33%)
- Yellow (0%)
- Black (17%)



- Cyan (47%)
- Magenta (44%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5842, 29.2834, 65.6156 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 31.5842, 29.2834, 65.6156 by changing the saturation by 10% instead.

■ 31.5842, 29.2834,
65.6156

■ 31.5842, 29.2834,
65.6156

300.9998,
298.5498, 463.3675

■ 21.1981, 19.2953,
47.5059

■ 61.5283, 58.5271,
114.5562

■ 13.3822, 11.8839,
33.0786

■ 81.8170, 78.5514,
146.2241

■ 7.7710, 6.6646,
21.9150

■ 106.1373,
102.6900, 183.2486

■ 3.9994, 3.2533,
13.5968

134.8545,
131.3271, 226.0481

■ 1.7018, 1.2653,
7.7052

168.3340,
164.8473, 275.0412

■ 0.4574, 0.1141,
3.8218

206.9411,

■ 0.0000, 0.0000,

203.6349, 330.6465

1.5281

251.0413,
248.0742, 393.2824

■ 0.0000, 0.0000,
0.2387

■ 0.0000, 0.0000,
0.0000

■ 31.5842, 29.2834,
65.6156

■ 31.5842, 29.2834,
65.6156

■ 25.8477, 22.4060,
64.5910

■ 38.5002, 37.5167,
66.8408

■ 21.2219, 16.8085,
63.7544

■ 46.6535, 47.1697,
68.2743

■ 17.6354, 12.4125,
63.0949

■ 56.1015, 58.3063,
69.9259

■ 15.0072, 9.1296,
62.5998

■ 66.8972, 70.9854,
71.8042

■ 13.2444, 6.8592,
62.2544

■ 79.0908, 85.2629,
73.9174

■ 12.2347, 5.4820,
62.0418

■ 88.7580, 97.4832,
75.7666

■ 11.9566, 5.1004,
61.9828

Harmonies

Analogous

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



26.4283, 29.2834, 68.3407



31.5842, 29.2834, 65.6156



36.2106, 29.2834, 52.6171

Triad

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



31.5842, 29.2834, 65.6156



34.3543, 29.2834, 14.6030



19.2446, 29.2834, 27.9646

Complementary

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



31.5842, 29.2834, 65.6156



53.1400, 59.2899, 31.9370

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.



20.8588, 29.2834, 17.4697



31.5842, 29.2834, 65.6156



29.2866, 29.2834, 11.4439

Square

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



31.5842, 29.2834, 65.6156



37.9405, 29.2834, 22.6589



24.3912, 29.2834, 12.3038



19.7018, 29.2834, 43.3258

Rectangle

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



31.5842, 29.2834, 65.6156



38.1687, 29.2834, 41.5624



24.3912, 29.2834, 12.3038



19.5551, 29.2834, 23.8394

Sweetspot

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



31.5852, 29.2845, 65.6163



77.7858, 79.6888, 105.8895



44.4377, 56.2192, 66.1094



16.2315, 16.5638, 22.5916



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.



31.5852, 29.2845, 65.6163



41.3645, 36.4230, 99.4579



36.5523, 30.5554, 65.5998



11.2386, 11.5675, 14.8841



7.2458, 3.1382, 37.4163



0.4322, 0.2296, 2.1011

Inverse Universe

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



40.5515, 33.4113, 29.9040



57.2618, 43.9551, 36.0911



46.5033, 58.0401, 32.0456



11.8466, 11.8234, 12.4679



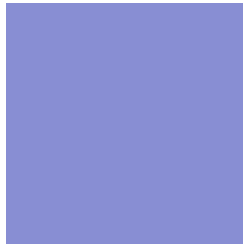
16.2881, 8.3881, 1.1572



0.9244, 0.4745, 0.1366

Previews

White Background



This preview shows how the XYZ color 31.5842, 29.2834, 65.6156 looks on a white background.

Color Contrast Check

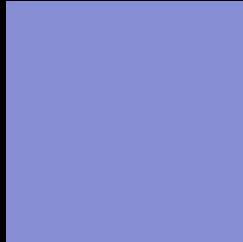
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5842, 29.2834, 65.6156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

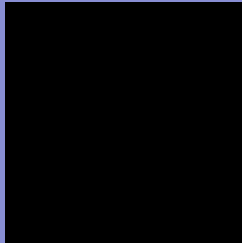
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5842, 29.2834, 65.6156

Background



This preview shows how black text looks on a background with the XYZ color 31.5842, 29.2834, 65.6156.



This preview shows how white text looks on a background with the XYZ color 31.5842, 29.2834,

65.6156.

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

31.5842, 29.2834, 65.6156

Protanopia

30.5931, 29.4149, 67.0160

Deuteranopia

30.0801, 29.4219, 65.0664



Tritanopia

26.1349, 29.1375, 38.8970

Trichromacy



Original Color

31.5842, 29.2834, 65.6156

Protanomaly

30.9102, 29.3671, 66.3266

Deuteranomaly

30.6603, 29.4931, 65.0495

Tritanomaly

27.8814, 29.1422, 47.3355

Monochromacy



Original Color

31.5842, 29.2834, 65.6156

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.1312, 29.4273, 42.6727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5842, 29.2834, 65.6156 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(136, 142, 211)` looks like.

```
.text, #text, p{  
    color:rgb(136, 142, 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(136, 142, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 142, 211) }
```

Border

The CSS property to change the border of an element to XYZ 31.5842, 29.2834, 65.6156 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(136, 142, 211) }
```


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

```
.border{ border-color:rgb(136, 142, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 142, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 142, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 142, 211);  
box-shadow:4px 4px 4px 4px rgb(136, 142,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5842, 29.2834, 65.6156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 142, 211) }
```

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

```
.background{ background-color: rgb(136,  
142, 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](#).

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