

Converting Colors

XYZ(30.8254, 28.8240, 64.4472)

Have a look what the booklet for
XYZ(30.8254, 28.8240, 64.4472)
contains.

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Color

**XYZ(30.8545, 28.9360,
64.2806)**

Conversions

Conversions Part 1

Format	Color
Hex	858ED1
RGB	133, 142, 209
RGB Percent	52%, 56%, 82%
CMY	0.4784, 0.4431, 0.1804
CMYK	0.36, 0.32, 0.00, 0.18
HSL	233°, 45%, 67%
HSV	233°, 36%, 82%
XYZ	30.8545, 28.9360, 64.2806
YIQ	146.9470, -26.8710, 18.9290

Conversions

Conversions Part 2

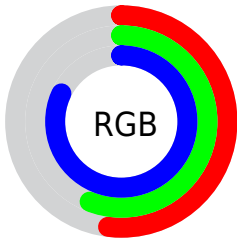
Format	Color
RYB	133, 141, 209
Decimal	8752849
CIELab	60.73, 12.92, -35.49
CIElCh	61, 37.773, 290.006
Yxy	28.9360, 0.2487, 0.2332
Android (android.graphics.Color)	4286942929 (0xFF858ED1)
YUV	146.9470, 30.5921, -12.2315
Hunter-Lab	53.7922, 8.2489, -33.1958

Details

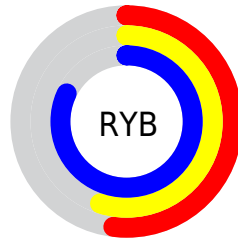
The XYZ color **30.8545, 28.9360, 64.2806** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.1832, 56.5583, 30.4107**, and the grayscale version is **27.5977, 29.0349, 31.6190**.

A 20% lighter version of the original color is **58.5290, 57.3912, 102.6005**, and **12.9681, 11.6929, 32.1453** is the 20% darker color. If you saturate the color by 10%, you get **25.3588, 22.3646, 63.3024**, and if you desaturate by 10%, it is **37.4619, 36.7543, 65.4420**.

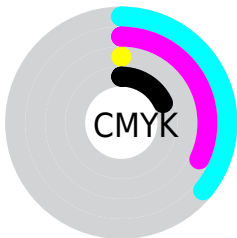
Distribution



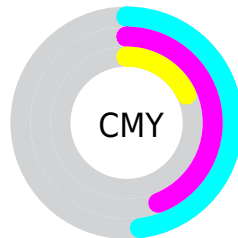
- Red (52%)
- Green (56%)
- Blue (82%)



- Red (52%)
- Yellow (55%)
- Blue (82%)



- Cyan (36%)
- Magenta (32%)
- Yellow (0%)
- Black (18%)



- Cyan (48%)
- Magenta (44%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8545, 28.9360, 64.2806 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 30.8545, 28.9360, 64.2806 by changing the saturation by 10% instead.

■ 30.8545, 28.9360,
64.2806

■ 30.8545, 28.9360,
64.2806

297.7063,
296.9129, 458.4375

■ 20.6394, 19.0324,
46.4303

■ 60.3883, 57.9754,
112.6183

■ 12.9716, 11.6937,
32.2344

■ 80.4377, 77.8800,
143.9428

■ 7.4859, 6.5355,
21.2743

■ 104.4959,
101.8870, 180.5959

■ 3.8168, 3.1733,
13.1315

132.9283,
130.3809, 222.9959

■ 1.5990, 1.2229,
7.3874

166.1001,
163.7460, 271.5616

■ 0.3918, 0.0803,
3.6234

204.3768,

■ 0.0000, 0.0000,

202.3668, 326.7114

1.4211

248.1238,
246.6276, 388.8638

■ 0.0000, 0.0000,
0.1581

■ 0.0000, 0.0000,
0.0000

■ 30.8545, 28.9360,
64.2806

■ 30.8545, 28.9360,
64.2806

■ 25.3588, 22.3646,
63.3024

■ 37.4619, 36.7543,
65.4420

■ 20.9103, 16.9722,
62.4960

■ 45.2345, 45.8761,
66.7930

■ 17.4426, 12.6892,
61.8521

■ 54.2262, 56.3585,
68.3424

■ 14.8803, 9.4374,
61.3594

■ 64.4863, 68.2545,
70.0978

■ 13.1368, 7.1282,
61.0056

■ 76.0617, 81.6138,
72.0663

■ 12.1058, 5.6563,
60.7759

■ 87.7333, 95.8327,
74.1956

■ 11.8510, 5.2881,
60.7182

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



25.8995, 28.9360, 66.2616



30.8545, 28.9360, 64.2806



35.3728, 28.9360, 52.2310

Triad

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



30.8545, 28.9360, 64.2806



34.0152, 28.9360, 15.0229



19.2267, 28.9360, 27.0507

Complementary

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



30.8545, 28.9360, 64.2806



51.1832, 56.5583, 30.4107

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.



20.8964, 28.9360, 17.1487



30.8545, 28.9360, 64.2806



29.1709, 28.9360, 11.7004

Square

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



30.8545, 28.9360, 64.2806



37.3425, 28.9360, 23.1455



24.4031, 28.9360, 12.3416



19.5639, 28.9360, 41.6713

Rectangle

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



30.8545, 28.9360, 64.2806



37.3433, 28.9360, 41.6651



24.4031, 28.9360, 12.3416



19.5634, 28.9360, 23.1497

Sweetspot

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



30.8555, 28.9371, 64.2813



78.0852, 80.2876, 105.9893



42.7675, 54.7055, 62.2575



16.3022, 16.7052, 22.6152



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.



30.8555, 28.9371, 64.2813



41.2460, 36.8477, 99.5461



34.5683, 28.9430, 64.0867



11.2748, 11.6399, 14.8961



7.3448, 3.3362, 37.4493



0.4492, 0.2636, 2.1068

Inverse Universe

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



39.5654, 32.2845, 29.7384



57.0405, 43.2481, 36.8321



46.1223, 57.1350, 30.7888



11.8649, 11.8307, 12.5642



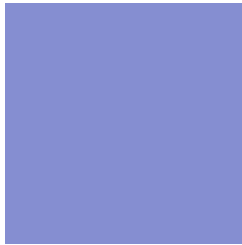
16.3380, 8.4081, 1.4203



0.9330, 0.4779, 0.1818

Previews

White Background



This preview shows how the XYZ color 30.8545, 28.9360, 64.2806 looks on a white background.

Color Contrast Check

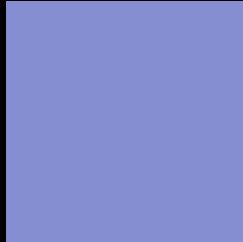
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8545, 28.9360, 64.2806 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 30.8545, 28.9360, 64.2806

Background



This preview shows how black text looks on a background with the XYZ color 30.8545, 28.9360, 64.2806.



This preview shows how white text looks on a background with the XYZ color 30.8545, 28.9360,

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

30.8545, 28.9360, 64.2806

Protanopia

30.1886, 29.0096, 65.6363

Deuteranopia

29.6789, 29.0158, 63.7109



Tritanopia

25.7035, 28.9151, 38.8768

Trichromacy



Original Color

30.8545, 28.9360, 64.2806

Protanomaly

30.3574, 28.8873, 64.9486

Deuteranomaly

30.1108, 29.0126, 63.6875

Tritanomaly

27.4323, 28.9107, 47.3145

Monochromacy



Original Color

30.8545, 28.9360, 64.2806

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5364, 28.9039, 42.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8545, 28.9360, 64.2806 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, 142, 209)` looks like.

```
.text, #text, p{  
    color:rgb(133, 142, 209)  
}
```

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, 142, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 142, 209) }
```

Border

The CSS property to change the border of an element to XYZ 30.8545, 28.9360, 64.2806 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, 142, 209) }
```


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

```
.border{ border-color:rgb(133, 142, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 142, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 142, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 142, 209);  
box-shadow:4px 4px 4px 4px rgb(133, 142,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8545, 28.9360, 64.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 142, 209) }
```

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

```
.background{ background-color: rgb(133,  
142, 209) }
```

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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