

Converting Colors

XYZ(30.7248, 29.3290, 64.7234)

Have a look what the booklet for
XYZ(30.7248, 29.3290, 64.7234)
contains.

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Color

**XYZ(30.8120, 29.3455,
65.0130)**

Conversions

Conversions Part 1

Format	Color
Hex	8290D2
RGB	130, 144, 210
RGB Percent	51%, 56%, 82%
CMY	0.4902, 0.4353, 0.1765
CMYK	0.38, 0.31, 0.00, 0.18
HSL	230°, 47%, 67%
HSV	230°, 38%, 82%
XYZ	30.8120, 29.3455, 65.0130
YIQ	147.3380, -29.5300, 17.5580

Conversions

Conversions Part 2

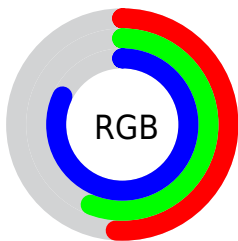
Format	Color
RYB	130, 142, 210
Decimal	8556754
CIELab	61.09, 11.21, -35.51
CIELCh	61, 37.236, 287.524
Yxy	29.3455, 0.2462, 0.2344
Android (android.graphics.Color)	4286746834 (0xFF8290D2)
YUV	147.3380, 30.8924, -15.2054
Hunter-Lab	54.1715, 6.7283, -33.2359

Details

The XYZ color **30.8120, 29.3455, 65.0130** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3482, 54.7939, 29.0429**, and the grayscale version is **27.7587, 29.2043, 31.8035**.

A 20% lighter version of the original color is **58.2517, 57.9225, 102.7177**, and **12.9797, 11.9497, 32.6328** is the 20% darker color. If you saturate the color by 10%, you get **25.4878, 23.0002, 64.0694**, and if you desaturate by 10%, it is **37.1983, 36.8373, 66.1230**.

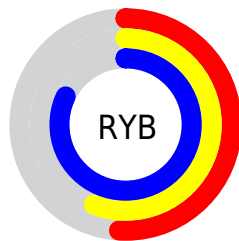
Distribution



Red (51%)

Green (56%)

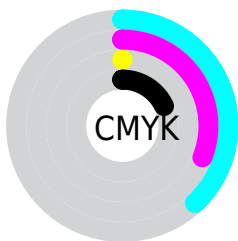
Blue (82%)



Red (51%)

Yellow (56%)

Blue (82%)

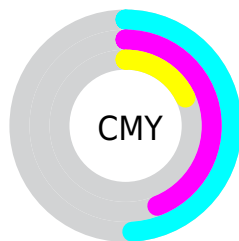


Cyan (38%)

Magenta (31%)

Yellow (0%)

Black (18%)



Cyan (49%)

Magenta (44%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8120, 29.3455, 65.0130 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 30.8120, 29.3455, 65.0130 by changing the saturation by 10% instead.

■ 30.8120, 29.3455,
65.0130

■ 30.8120, 29.3455,
65.0130

297.5136,
298.8416, 461.1462

■ 20.6069, 19.3423,
47.0202

■ 60.3218, 58.6256,
113.6820

■ 12.9478, 11.9179,
32.6972

■ 80.3572, 78.6713,
145.1953

■ 7.4693, 6.6878,
21.6253

■ 104.4001,
102.8333, 182.0525

■ 3.8062, 3.2676,
13.3862

132.8157,
131.4960, 224.6722

■ 1.5931, 1.2730,
7.5612

165.9696,
165.0438, 273.4728

■ 0.3879, 0.1202,
3.7317

204.2269,

■ 0.0000, 0.0000,

203.8610, 328.8730

1.4794

247.9532,
248.3322, 391.2913

■ 0.0000, 0.0000,
0.2025

■ 0.0000, 0.0000,
0.0000

■ 30.8120, 29.3455,
65.0130

■ 30.8120, 29.3455,
65.0130

■ 25.4878, 23.0002,
64.0694

■ 37.1983, 36.8373,
66.1230

■ 21.1641, 17.7407,
63.2821

■ 44.6976, 45.5254,
67.4047

■ 17.7774, 13.5056,
62.6431

■ 53.3611, 55.4610,
68.8659

■ 15.2557, 10.2260,
62.1430

■ 63.2361, 66.6909,
70.5130

■ 13.5158, 7.8236,
61.7710

■ 74.3670, 79.2598,
72.3524

■ 12.4436, 6.2001,
61.5142

■ 86.4260, 93.0192,
74.3726

■ 12.2868, 5.9608,
61.4762

■ 88.6330, 97.4332,
75.1083

Harmonies

Analogous

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



25.9149, 29.3455, 66.0012



30.8120, 29.3455, 65.0130



35.3958, 29.3455, 53.7348

Triad

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



30.8120, 29.3455, 65.0130



34.7156, 29.3455, 15.9555



19.7014, 29.3455, 26.4948

Complementary

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



30.8120, 29.3455, 65.0130



50.3482, 54.7939, 29.0429

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.



21.5316, 29.3455, 17.0317



30.8120, 29.3455, 65.0130



29.9672, 29.3455, 12.2494

Square

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



30.8120, 29.3455, 65.0130



37.8238, 29.3455, 24.5286



25.1626, 29.3455, 12.5754



19.8715, 29.3455, 40.7403

Rectangle

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



30.8120, 29.3455, 65.0130



37.4853, 29.3455, 43.3579



25.1626, 29.3455, 12.5754



20.0933, 29.3455, 22.7459

Sweetspot

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



30.8130, 29.3466, 65.0137



78.5296, 81.1765, 106.1374



42.1414, 54.7949, 60.1837



16.4072, 16.9153, 22.6502



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.



30.8130, 29.3466, 65.0137



40.7474, 37.1291, 99.6268



33.1981, 27.6211, 64.5549



11.3286, 11.7474, 14.9140



7.5464, 3.7394, 37.5165



0.4743, 0.3137, 2.1151

Inverse Universe

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



39.5959, 31.6816, 30.4149



56.4767, 41.8275, 37.5474



47.0039, 57.9784, 29.8338



11.8920, 11.8415, 12.7070



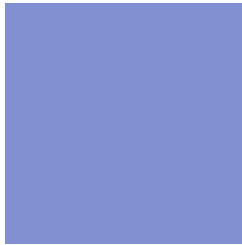
16.4398, 8.4488, 1.9562



0.9456, 0.4830, 0.2484

Previews

White Background



This preview shows how the XYZ color 30.8120, 29.3455, 65.0130 looks on a white background.

Color Contrast Check

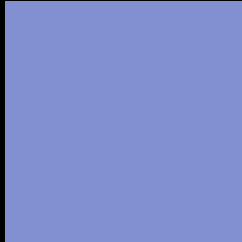
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8120, 29.3455, 65.0130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

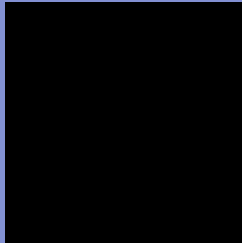
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8120, 29.3455, 65.0130

Background



This preview shows how black text looks on a background with the XYZ color 30.8120, 29.3455, 65.0130.



This preview shows how white text looks on a background with the XYZ color 30.8120, 29.3455,

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

30.8120, 29.3455, 65.0130

Protanopia

30.4875, 29.3896, 65.6939

Deuteranopia

30.2239, 29.4960, 65.0731



Tritanopia

25.7905, 29.4210, 39.9168

Trichromacy



Original Color

30.8120, 29.3455, 65.0130

Protanomaly

30.6357, 29.4660, 65.7008

Deuteranomaly

30.3624, 29.3396, 65.0356

Tritanomaly

27.4152, 29.3598, 47.9381

Monochromacy



Original Color

30.8120, 29.3455, 65.0130

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5191, 29.1228, 42.1483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8120, 29.3455, 65.0130 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, 144, 210)` looks like.

```
.text, #text, p{  
    color:rgb(130, 144, 210)  
}
```

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, 144, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 144, 210) }
```

Border

The CSS property to change the border of an element to XYZ 30.8120, 29.3455, 65.0130 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, 144, 210) }
```


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

```
.border{ border-color:rgb(130, 144, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 144, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 144, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 144, 210);  
box-shadow:4px 4px 4px 4px rgb(130, 144,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8120, 29.3455, 65.0130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 144, 210) }
```

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

```
.background{ background-color: rgb(130,  
144, 210) }
```

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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