

Converting Colors

XYZ(29.4625, 27.7707, 65.6882)

Have a look what the booklet for
XYZ(29.4625, 27.7707, 65.6882)
contains.

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Color

**XYZ(29.4481, 27.7444,
65.4311)**

Conversions

Conversions Part 1

Format	Color
Hex	7C8CD3
RGB	124, 140, 211
RGB Percent	49%, 55%, 83%
CMY	0.5137, 0.4510, 0.1725
CMYK	0.41, 0.34, 0.00, 0.17
HSL	229°, 50%, 66%
HSV	229°, 41%, 83%
XYZ	29.4481, 27.7444, 65.4311
YIQ	143.3100, -32.3270, 18.6890

Conversions

Conversions Part 2

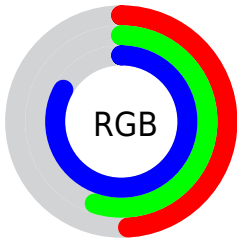
Format	Color
RYB	124, 138, 211
Decimal	8162515
CIELab	59.66, 12.22, -38.33
CIELCh	60, 40.232, 287.688
Yxy	27.7444, 0.2402, 0.2263
Android (android.graphics.Color)	4286352595 (0xFF7C8CD3)
YUV	143.3100, 33.3712, -16.9349
Hunter-Lab	52.6730, 7.6171, -36.7798

Details

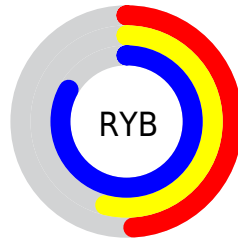
The XYZ color **29.4481, 27.7444, 65.4311** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.0180, 54.3354, 26.9215**, and the grayscale version is **26.1131, 27.4730, 29.9181**.

A 20% lighter version of the original color is **55.7104, 54.9436, 102.2767**, and **12.1827, 11.0147, 32.9364** is the 20% darker color. If you saturate the color by 10%, you get **24.3965, 21.6931, 64.5299**, and if you desaturate by 10%, it is **35.5479, 34.9215, 66.4955**.

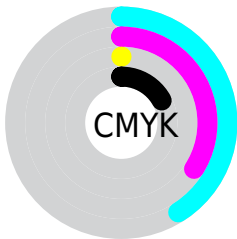
Distribution



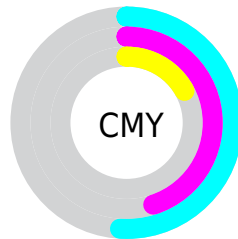
- Red (49%)
- Green (55%)
- Blue (83%)



- Red (49%)
- Yellow (54%)
- Blue (83%)



- Cyan (41%)
- Magenta (34%)
- Yellow (0%)
- Black (17%)



- Cyan (51%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4481, 27.7444, 65.4311 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 29.4481, 27.7444, 65.4311 by changing the saturation by 10% instead.

■ 29.4481, 27.7444,
65.4311

■ 29.4481, 27.7444,
65.4311

291.2796,
291.2435, 462.6881

■ 19.5660, 18.1331,
47.3572

■ 58.1809, 56.0761,
114.2886

■ 12.1864, 11.0456,
32.9617

■ 77.7624, 75.5653,
145.9093

■ 6.9439, 6.0975,
21.8263

■ 101.3077, 99.1158,
182.8826

■ 3.4730, 2.9045,
13.5322

129.1823,
127.1122, 225.6272

■ 1.4086, 1.0821,
7.6610

161.7514,
159.9388, 274.5614

■ 0.2623, 0.0000,
3.7942

199.3804,

■ 0.0000, 0.0000,

197.9799, 330.1040

1.5131

242.4347,
241.6200, 392.6734

■ 0.0000, 0.0000,
0.2277

■ 0.0000, 0.0000,
0.0000

■ 29.4481, 27.7444,
65.4311

■ 29.4481, 27.7444,
65.4311

■ 24.3965, 21.6931,
64.5299

■ 35.5479, 34.9215,
66.4955

■ 20.3297, 16.7064,
63.7817

■ 42.7482, 43.2754,
67.7284

■ 17.1822, 12.7218,
63.1785

■ 51.1013, 52.8572,
69.1376

■ 14.8788, 9.6686,
62.7105

■ 60.6555, 63.7145,
70.7297

■ 13.3316, 7.4661,
62.3669

■ 71.4560, 75.8920,
72.5110

■ 12.4770, 6.1413,
62.1563

■ 83.5458, 89.4324,
74.4873

■ 88.7580, 97.4832,
75.7666

Harmonies

Analogous

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



24.3433, 27.7444, 66.5734



29.4481, 27.7444, 65.4311



34.2660, 27.7444, 53.2024

Triad

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



29.4481, 27.7444, 65.4311



33.5011, 27.7444, 13.8949



17.9379, 27.7444, 24.6319

Complementary

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



29.4481, 27.7444, 65.4311



50.0180, 54.3354, 26.9215

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.



19.7913, 27.7444, 15.0289



29.4481, 27.7444, 65.4311



28.5067, 27.7444, 10.3026

Square

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



29.4481, 27.7444, 65.4311



36.8046, 27.7444, 22.4874



23.5146, 27.7444, 10.6373



18.1218, 27.7444, 39.5221

Rectangle

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



29.4481, 27.7444, 65.4311



36.4692, 27.7444, 42.1121



23.5146, 27.7444, 10.6373



18.3323, 27.7444, 20.7910

Sweetspot

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



29.4491, 27.7454, 65.4318



77.2190, 79.7402, 105.9293



41.3000, 54.7514, 59.1958



16.1480, 16.6332, 22.6094



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.



29.4491, 27.7454, 65.4318



38.6595, 34.7616, 99.2798



31.5627, 25.6132, 64.9088



11.3371, 11.7644, 14.9169



7.5846, 3.8157, 37.5293



0.4782, 0.3216, 2.1164

Inverse Universe

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



38.8061, 30.1587, 28.5878



54.9814, 39.5394, 34.8834



46.9166, 58.3463, 27.8592



11.8963, 11.8432, 12.7296



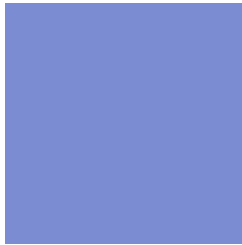
16.4591, 8.4565, 2.0577



0.9476, 0.4838, 0.2589

Previews

White Background



This preview shows how the XYZ color 29.4481, 27.7444, 65.4311 looks on a white background.

Color Contrast Check

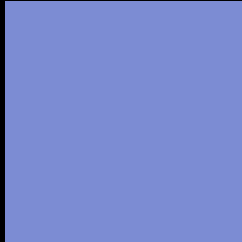
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4481, 27.7444, 65.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

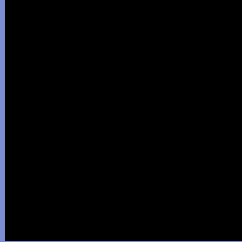
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4481, 27.7444, 65.4311

Background



This preview shows how black text looks on a background with the XYZ color 29.4481, 27.7444, 65.4311.



This preview shows how white text looks on a background with the XYZ color 29.4481, 27.7444,

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

29.4481, 27.7444, 65.4311

Protanopia

29.1543, 27.7963, 66.1160

Deuteranopia

28.3761, 27.6440, 64.8130



Tritanopia

23.9835, 27.8008, 38.2845

Trichromacy



Original Color

29.4481, 27.7444, 65.4311

Protanomaly

29.2937, 27.8682, 66.1225

Deuteranomaly

28.6289, 27.5544, 64.7824

Tritanomaly

25.7196, 27.5661, 47.1452

Monochromacy



Original Color

29.4481, 27.7444, 65.4311

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.8942, 27.4074, 40.9185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4481, 27.7444, 65.4311 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(124, 140, 211)` looks like.

```
.text, #text, p{  
    color:rgb(124, 140, 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(124, 140, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 140, 211) }
```

Border

The CSS property to change the border of an element to XYZ 29.4481, 27.7444, 65.4311 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(124, 140, 211) }
```


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

```
.border{ border-color:rgb(124, 140, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 140, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 140, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 140, 211);  
box-shadow:4px 4px 4px 4px rgb(124, 140,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4481, 27.7444, 65.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 140, 211) }
```

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

```
.background{ background-color: rgb(124,  
140, 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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