

Converting Colors

XYZ(28.5176, 29.4626, 58.8160)

Have a look what the booklet for
XYZ(28.5176, 29.4626, 58.8160)
contains.

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Color

**XYZ(28.5089, 29.4469,
58.8248)**

Conversions

Conversions Part 1

Format	Color
Hex	7595C8
RGB	117, 149, 200
RGB Percent	46%, 58%, 78%
CMY	0.5412, 0.4157, 0.2157
CMYK	0.41, 0.25, 0.00, 0.22
HSL	217°, 43%, 62%
HSV	217°, 41%, 78%
XYZ	28.5089, 29.4469, 58.8248
YIQ	145.2460, -35.4430, 9.0770

Conversions

Conversions Part 2

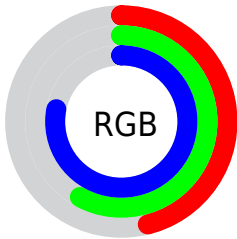
Format	Color
R _Y B	117, 140, 200
Decimal	7706056
CIE Lab	61.17, 2.05, -29.83
CIE LCh	61, 29.903, 273.930
Yxy	29.4469, 0.2441, 0.2522
Android (android.graphics.Color)	4285896136 (0xFF7595C8)
YUV	145.2460, 26.9937, -24.7717
Hunter-Lab	54.2650, -1.1862, -26.2865

Details

The XYZ color **28.5089, 29.4469, 58.8248** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.0338, 41.5701, 22.6919**, and the grayscale version is **26.9184, 28.3203, 30.8408**.

A 20% lighter version of the original color is **56.4192, 58.7025, 102.9649**, and **11.7000, 12.0558, 28.9045** is the 20% darker color. If you saturate the color by 10%, you get **24.2605, 24.5216, 58.0986**, and if you desaturate by 10%, it is **33.5385, 35.0807, 59.6477**.

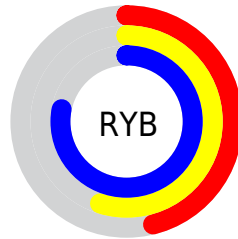
Distribution



Red (46%)

Green (58%)

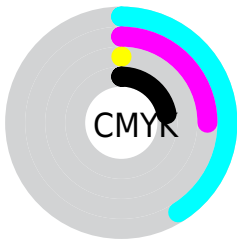
Blue (78%)



Red (46%)

Yellow (55%)

Blue (78%)

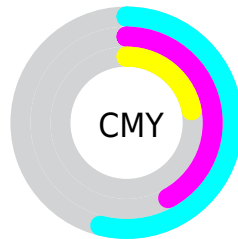


Cyan (41%)

Magenta (25%)

Yellow (0%)

Black (22%)



Cyan (54%)

Magenta (42%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5089, 29.4469, 58.8248 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 28.5089, 29.4469, 58.8248 by changing the saturation by 10% instead.

■ 28.5089, 29.4469,
58.8248

■ 28.5089, 29.4469,
58.8248

286.9269,
299.3178, 437.9361

■ 18.8520, 19.4192,
42.0530

■ 56.6989, 58.7864,
104.6496

■ 11.6668, 11.9735,
28.8169

■ 75.9627, 78.8669,
134.5397

■ 6.5878, 6.7257,
18.6980

■ 99.1596, 103.0671,
169.6397

■ 3.2497, 3.2911,
11.2777

126.6548,
131.7715, 210.3680

■ 1.2871, 1.2855,
6.1374

158.8138,
165.3643, 257.1433

■ 0.1736, 0.1300,
2.8587

196.0020,

■ 0.0000, 0.0000,

204.2300, 310.3840

1.0229

238.5845,
248.7530, 370.5088

■ 0.0000, 0.0000,
0.0000

■ 28.5089, 29.4469,
58.8248

■ 28.5089, 29.4469,
58.8248

■ 24.2605, 24.5216,
58.0986

■ 33.5385, 35.0807,
59.6477

■ 20.7472, 20.2699,
57.4631

■ 39.3861, 41.4491,
60.5687

■ 17.9220, 16.6582,
56.9149

■ 46.0894, 48.5809,
61.5920

■ 15.7308, 13.6482,
56.4494

■ 53.6831, 56.5022,
62.7207

■ 14.1100, 11.1961,
56.0615

■ 62.1996, 65.2377,
63.9580

■ 13.0869, 9.4931,
55.7867

■ 71.6697, 74.8110,
65.3067

■ 81.3816, 84.8625,
66.7349

■ 85.0231, 92.1456,
67.9488

■ 87.4254, 96.9502,
68.7495

Harmonies

Analogous

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



24.8007, 29.4469, 55.6633



28.5089, 29.4469, 58.8248



32.4164, 29.4469, 53.5506

Triad

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



28.5089, 29.4469, 58.8248



34.7297, 29.4469, 21.4470



21.7412, 29.4469, 23.4702

Complementary

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



28.5089, 29.4469, 58.8248



41.0338, 41.5701, 22.6919

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.



23.9832, 29.4469, 17.2635



28.5089, 29.4469, 58.8248



31.4382, 29.4469, 16.3014

Square

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



28.5089, 29.4469, 58.8248



36.2140, 29.4469, 30.6038



27.4743, 29.4469, 14.9707



21.1134, 29.4469, 33.5671

Rectangle

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



28.5089, 29.4469, 58.8248



34.5433, 29.4469, 46.5482



27.4743, 29.4469, 14.9707



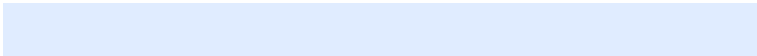
22.3200, 29.4469, 20.9452

Sweetspot

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



28.5099, 29.4480, 58.8255



78.9669, 83.2360, 106.5119



34.9479, 47.8738, 43.8620



16.5573, 17.4517, 22.7458



0.0000, 0.0000, 0.0000



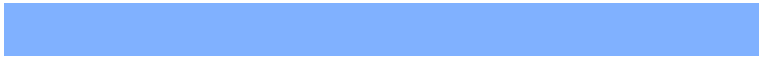
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5099, 29.4480, 58.8255



42.5314, 43.0791, 100.6812



25.2890, 21.2765, 57.4180



10.3864, 10.9468, 13.4830



8.4019, 6.1977, 35.4978



0.4678, 0.4333, 1.7041

Inverse Universe

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



35.6064, 27.1730, 31.8030



56.7957, 39.7289, 46.0905



45.5282, 53.7609, 24.8081



10.8003, 10.7035, 11.9316



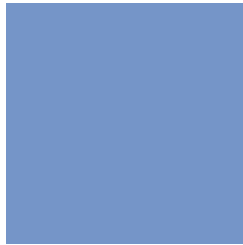
16.0402, 8.1656, 5.4216



0.7948, 0.4008, 0.4426

Previews

White Background



This preview shows how the XYZ color 28.5089, 29.4469, 58.8248 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 28.5089, 29.4469, 58.8248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

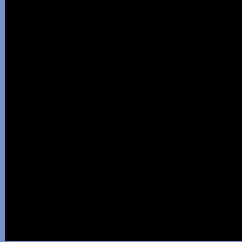
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

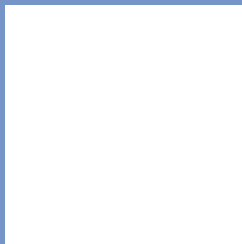
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5089, 29.4469, 58.8248

Background



This preview shows how black text looks on a background with the XYZ color 28.5089, 29.4469, 58.8248.

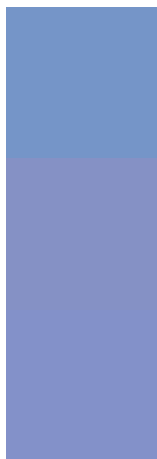


This preview shows how white text looks on a background with the XYZ color 28.5089, 29.4469,

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

28.5089, 29.4469, 58.8248

Protanopia

29.8763, 29.2686, 56.8981

Deuteranopia

30.0281, 29.2931, 59.3298



Tritanopia

24.8807, 29.4209, 40.9267

Trichromacy



Original Color

28.5089, 29.4469, 58.8248

Protanomaly

29.2243, 29.1470, 57.5117

Deuteranomaly

29.4257, 29.2104, 59.3456

Tritanomaly

26.0835, 29.4166, 46.9511

Monochromacy



Original Color

28.5089, 29.4469, 58.8248

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0621, 28.4253, 39.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5089, 29.4469, 58.8248 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(117, 149, 200)` looks like.

```
.text, #text, p{  
    color:rgb(117, 149, 200)  
}
```

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(117, 149, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 149, 200) }
```

Border

The CSS property to change the border of an element to XYZ 28.5089, 29.4469, 58.8248 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(117, 149, 200) }
```


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

```
.border{ border-color:rgb(117, 149, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 149, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 149, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 149, 200);  
box-shadow:4px 4px 4px 4px rgb(117, 149,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5089, 29.4469, 58.8248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 149, 200) }
```

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

```
.background{ background-color: rgb(117,  
149, 200) }
```

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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