

Converting Colors

XYZ(28.9908, 33.1029, 66.1346)

Have a look what the booklet for
XYZ(28.9908, 33.1029, 66.1346)
contains.

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Color

**XYZ(28.8499, 32.9714,
65.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	59A3D2
RGB	89, 163, 210
RGB Percent	35%, 64%, 82%
CMY	0.6510, 0.3608, 0.1765
CMYK	0.58, 0.22, 0.00, 0.18
HSL	203°, 57%, 59%
HSV	203°, 58%, 82%
XYZ	28.8499, 32.9714, 65.8163
YIQ	146.2320, -59.1910, -1.0710

Conversions

Conversions Part 2

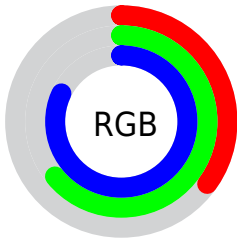
Format	Color
R _Y B	89, 135, 210
Decimal	5874642
CIE Lab	64.14, -9.40, -30.94
CIE LCh	64, 32.331, 253.105
Yxy	32.9714, 0.2260, 0.2583
Android (android.graphics.Color)	4284064722 (0xFF59A3D2)
YUV	146.2320, 31.4376, -50.1925
Hunter-Lab	57.4207, -10.8025, -27.7644

Details

The XYZ color **28.8499, 32.9714, 65.8163** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **37.1869, 32.0328, 13.6756**, and the grayscale version is **27.3104, 28.7326, 31.2898**.

A 20% lighter version of the original color is **55.1540, 63.5659, 103.9703**, and **11.7819, 13.8288, 33.0586** is the 20% darker color. If you saturate the color by 10%, you get **25.7129, 29.2736, 65.2685**, and if you desaturate by 10%, it is **32.6573, 37.1547, 66.4237**.

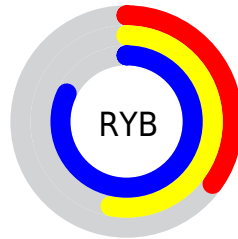
Distribution



Red (35%)

Green (64%)

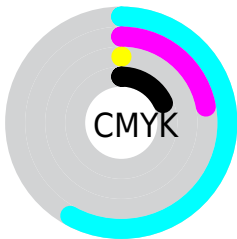
Blue (82%)



Red (35%)

Yellow (53%)

Blue (82%)

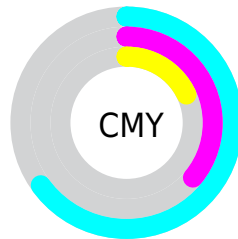


Cyan (58%)

Magenta (22%)

Yellow (0%)

Black (18%)



Cyan (65%)

Magenta (36%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8499, 32.9714, 65.8163 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 28.8499, 32.9714, 65.8163 by changing the saturation by 10% instead.

■ 28.8499, 32.9714,
65.8163

■ 28.8499, 32.9714,
65.8163

288.5131,
315.5208, 464.1059

■ 19.1110, 22.1045,
47.6678

■ 57.2377, 64.3309,
114.8471

■ 11.8550, 13.9337,
33.2057

■ 76.6174, 85.5923,
146.5665

■ 6.7165, 8.0746,
22.0117

■ 99.9413, 111.0873,
183.6465

■ 3.3302, 4.1427,
13.6671

■ 127.5750,
141.2004, 226.5058

■ 1.3307, 1.7537,
7.7534

159.8836,
176.3159, 275.5628

■ 0.2060, 0.4581,
3.8521

197.2326,

■ 0.0000, 0.0000,

216.8182, 331.2361

1.5445

239.9873,
263.0917, 393.9443

■ 0.0000, 0.0000,
0.2508

■ 0.0000, 0.0000,
0.0000

■ 28.8499, 32.9714,
65.8163

■ 28.8499, 32.9714,
65.8163

■ 25.7129, 29.2736,
65.2685

■ 32.6573, 37.1547,
66.4237

■ 23.1908, 26.0282,
64.7750

■ 37.1777, 41.8463,
67.0910

■ 21.2240, 23.2026,
64.3333

■ 42.4541, 47.0713,
67.8215

■ 19.7281, 20.7504,
63.9388

■ 48.5248, 52.8518,
68.6173

■ 19.4083, 20.2038,
63.8502

■ 55.4254, 59.2086,
69.4805

■ 63.1892, 66.1610,
70.4133

■ 71.8475, 73.7275,
71.4174

■ 80.6879, 81.5430,
72.4600

■ 82.9886, 86.1444,
73.2269

Harmonies

Analogous

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



25.3427, 32.9714, 56.0220



28.8499, 32.9714, 65.8163



33.3762, 32.9714, 66.4646

Triad

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



28.8499, 32.9714, 65.8163



40.7139, 32.9714, 30.4839



25.7015, 32.9714, 20.4649

Complementary

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



28.8499, 32.9714, 65.8163



37.1869, 32.0328, 13.6756

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.



29.3852, 32.9714, 16.5239



28.8499, 32.9714, 65.8163



38.2121, 32.9714, 21.2859

Square

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



28.8499, 32.9714, 65.8163



40.5348, 32.9714, 43.7337



33.9659, 32.9714, 16.7824



23.6500, 32.9714, 29.0629

Rectangle

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



28.8499, 32.9714, 65.8163



36.3944, 32.9714, 61.4194



33.9659, 32.9714, 16.7824



26.7736, 32.9714, 18.6571

Sweetspot

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



28.8510, 32.9726, 65.8171



75.7221, 82.4082, 106.5231



31.5678, 49.9780, 31.0479



15.7738, 17.2318, 22.7447



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.



28.8510, 32.9726, 65.8171



38.9758, 44.2788, 101.1002



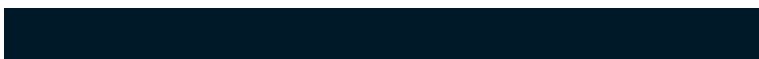
20.6158, 16.5022, 63.0720



11.7568, 12.6038, 15.0568



11.9388, 12.5242, 38.9807



0.7434, 0.8519, 2.2048

Inverse Universe

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



36.7626, 23.4920, 37.2483



52.9723, 30.4323, 49.9023



48.0960, 53.8511, 17.3120



12.1081, 11.9280, 13.8452



18.6569, 9.3356, 13.6312



1.0814, 0.5373, 0.9637

Previews

White Background



This preview shows how the XYZ color 28.8499, 32.9714, 65.8163 looks on a white background.

Color Contrast Check

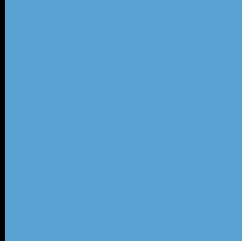
Large Text (above 18pt) WCAG AA × Fail

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 28.8499, 32.9714, 65.8163 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 ✓ Pass

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

XYZ 28.8499, 32.9714, 65.8163

Background



This preview shows how black text looks on a background with the XYZ color 28.8499, 32.9714, 65.8163.

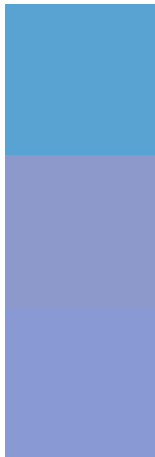


This preview shows how white text looks on a background with the XYZ color 28.8499, 32.9714,

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

28.8499, 32.9714, 65.8163

Protanopia

33.0364, 32.7095, 60.4495

Deuteranopia

33.5914, 32.8543, 66.8584



Tritanopia

25.5067, 32.9604, 49.2736

Trichromacy



Original Color

28.8499, 32.9714, 65.8163

Protanomaly

31.1025, 32.6593, 62.4222

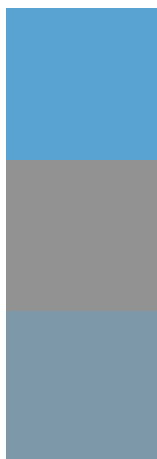
Deuteranomaly

31.5606, 32.8102, 66.2976

Tritanomaly

26.5440, 32.8275, 54.8065

Monochromacy



Original Color

28.8499, 32.9714, 65.8163

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.8471, 29.6810, 41.8501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8499, 32.9714, 65.8163 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(89, 163, 210)` looks like.

```
.text, #text, p{  
    color:rgb(89, 163, 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(89, 163, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 163, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.8499, 32.9714, 65.8163 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(89, 163, 210) }
```


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

```
.border{ border-color:rgb(89, 163, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 163, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 163, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 163, 210);  
box-shadow:4px 4px 4px 4px rgb(89, 163,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8499, 32.9714, 65.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 163, 210) }
```

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

```
.background{ background-color: rgb(89, 163,  
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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