

Converting Colors

XYZ(29.3342, 29.8163, 87.4287)

Have a look what the booklet for
XYZ(29.3342, 29.8163, 87.4287)
contains.

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Color

**XYZ(29.2585, 29.6774,
87.4053)**

Conversions

Conversions Part 1

Format	Color
Hex	4397F1
RGB	67, 151, 241
RGB Percent	26%, 59%, 95%
CMY	0.7372, 0.4078, 0.0549
CMYK	0.72, 0.37, 0.00, 0.05
HSL	211°, 86%, 60%
HSV	211°, 72%, 95%
XYZ	29.2585, 29.6774, 87.4053
YIQ	136.1440, -78.9540, 10.1820

Conversions

Conversions Part 2

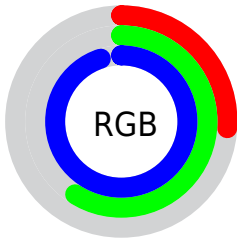
Format	Color
R _{YB}	67, 124, 241
Decimal	4429809
CIE Lab	61.37, 4.09, -52.47
CIE LCh	61, 52.630, 274.459
Yxy	29.6774, 0.1999, 0.2028
Android (android.graphics.Color)	4282619889 (0xFF4397F1)
YUV	136.1440, 51.6940, -60.6393
Hunter-Lab	54.4770, 0.5341, -56.9937

Details

The XYZ color **29.2585, 29.6774, 87.4053** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **49.3481, 43.2238, 11.0540**, and the grayscale version is **23.2909, 24.5039, 26.6847**.

A 20% lighter version of the original color is **49.7128, 55.9510, 102.7872**, and **13.3054, 12.7681, 47.1106** is the 20% darker color. If you saturate the color by 10%, you get **26.0353, 25.1936, 86.7104**, and if you desaturate by 10%, it is **33.3831, 34.9416, 88.2046**.

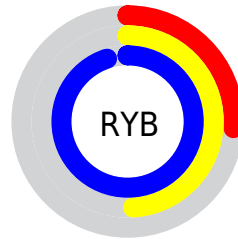
Distribution



Red (26%)

Green (59%)

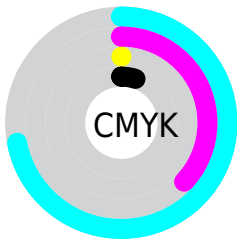
Blue (95%)



Red (26%)

Yellow (49%)

Blue (95%)

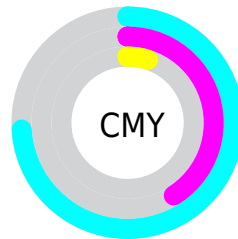


Cyan (72%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (74%)

Magenta (41%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2585, 29.6774, 87.4053 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 29.2585, 29.6774, 87.4053 by changing the saturation by 10% instead.

■ 29.2585, 29.6774,
87.4053

■ 29.2585, 29.6774,
87.4053

290.4049,
300.3978, 539.9045

■ 19.4217, 19.5939,
65.2691

■ 57.8823, 59.1516,
145.6328

■ 12.0812, 12.1002,
47.2266

■ 77.4000, 79.3111,
182.5612

■ 6.8716, 6.8119,
32.8592

■ 100.8753,
103.5980, 225.2574

■ 3.4275, 3.3448,
21.7484

■ 128.6738,
132.3967, 274.1399

■ 1.3837, 1.3143,
13.4756

161.1606,
166.0917, 329.6274

■ 0.2446, 0.1522,
7.6223

198.7011,

■ 0.0000, 0.0000,

205.0673, 392.1383

3.7699

241.6608,
249.7079, 462.0911

■ 0.0000, 0.0000,
1.5000

■ 0.0000, 0.0000,
0.2179

■ 29.2585, 29.6774,
87.4053

■ 29.2585, 29.6774,
87.4053

■ 26.0353, 25.1936,
86.7104

■ 33.3831, 34.9416,
88.2046

■ 23.6119, 21.4269,
86.1110

■ 38.4878, 41.0349,
89.1117

■ 22.1618, 18.9200,
85.7036

■ 44.6457, 48.0044,
90.1324

■ 51.9215, 55.8920,
91.2714

■ 60.3742, 64.7364,
92.5330

■ 70.0585, 74.5737,
93.9214

■ 81.0255, 85.4380,
95.4404

■ 91.5306, 96.4374,
97.0098

■ 92.8773, 99.1309,
97.4587

Harmonies

Analogous

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



22.8327, 29.6774, 80.5614



29.2585, 29.6774, 87.4053



36.4581, 29.6774, 75.2172

Triad

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



29.2585, 29.6774, 87.4053



40.7129, 29.6774, 15.1452



17.7927, 29.6774, 18.4701

Complementary

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



29.2585, 29.6774, 87.4053



49.3481, 43.2238, 11.0540

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.



21.3062, 29.6774, 9.9252



29.2585, 29.6774, 87.4053



34.3657, 29.6774, 8.6322

Square

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



29.2585, 29.6774, 87.4053



43.7253, 29.6774, 29.4305



27.1819, 29.6774, 7.2155



16.8788, 29.6774, 35.3792

Rectangle

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



29.2585, 29.6774, 87.4053



40.5285, 29.6774, 60.0323



27.1819, 29.6774, 7.2155



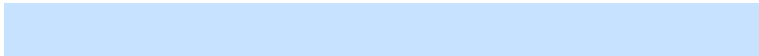
18.6770, 29.6774, 14.7911

Sweetspot

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



29.2597, 29.6784, 87.4061



68.7679, 73.7310, 105.2148



39.8488, 66.5359, 42.5986



14.1296, 15.1717, 22.4337



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.



29.2597, 29.6784, 87.4061



28.0958, 26.3734, 98.2175



20.4045, 11.6654, 84.3959



15.5270, 16.4881, 20.0858



12.1515, 10.5272, 46.5194



1.1101, 1.0741, 3.9030

Inverse Universe

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



43.8698, 24.9510, 31.7827



46.5397, 24.2567, 27.1346



67.7628, 81.5111, 17.4737



16.0907, 15.8860, 18.0337



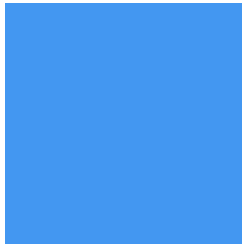
21.4591, 10.8561, 10.3343



1.8353, 0.9231, 1.1233

Previews

White Background



This preview shows how the XYZ color 29.2585, 29.6774, 87.4053 looks on a white background.

Color Contrast Check

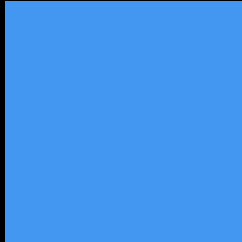
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2585, 29.6774, 87.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

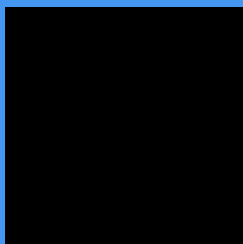
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

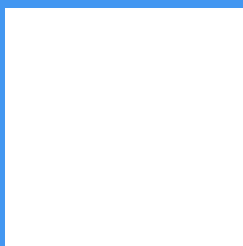
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2585, 29.6774, 87.4053

Background



This preview shows how black text looks on a background with the XYZ color 29.2585, 29.6774, 87.4053.



This preview shows how white text looks on a background with the XYZ color 29.2585, 29.6774,

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

29.2585, 29.6774, 87.4053

Protanopia

31.7787, 29.4554, 82.6078

Deuteranopia

30.5474, 29.6169, 88.1110



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

29.2585, 29.6774, 87.4053

Protanomaly

30.5437, 29.4687, 84.1990

Deuteranomaly

30.0827, 29.6112, 88.1344

Tritanomaly

23.2002, 29.1606, 59.0494

Monochromacy



Original Color

29.2585, 29.6774, 87.4053

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.7204, 25.4853, 43.7133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2585, 29.6774, 87.4053 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(67, 151, 241)` looks like.

```
.text, #text, p{  
    color:rgb(67, 151, 241)  
}
```

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(67, 151, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 151, 241) }
```

Border

The CSS property to change the border of an element to XYZ 29.2585, 29.6774, 87.4053 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(67, 151, 241) }
```


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

```
.border{ border-color:rgb(67, 151, 241) }
```

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

Here you see how a box with a 4 pixel rgb(67, 151, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 151, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 151, 241);  
box-shadow:4px 4px 4px 4px rgb(67, 151,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2585, 29.6774, 87.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 151, 241) }
```

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

```
.background{ background-color: rgb(67, 151,  
241) }
```

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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