

Converting Colors

XYZ(28.5100, 27.7304, 82.4812)

Have a look what the booklet for
XYZ(28.5100, 27.7304, 82.4812)
contains.

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Color

**XYZ(28.5359, 27.7837,
82.4560)**

Conversions

Conversions Part 1

Format	Color
Hex	5390EB
RGB	83, 144, 235
RGB Percent	33%, 56%, 92%
CMY	0.6745, 0.4353, 0.0784
CMYK	0.65, 0.39, 0.00, 0.08
HSL	216°, 79%, 62%
HSV	216°, 65%, 92%
XYZ	28.5359, 27.7837, 82.4560
YIQ	136.1350, -65.5670, 15.3690

Conversions

Conversions Part 2

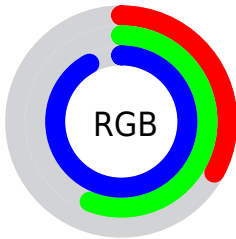
Format	Color
R _Y B	83, 127, 235
Decimal	5476587
CIE Lab	59.69, 8.54, -51.79
CIE LCh	60, 52.493, 279.362
Yxy	27.7837, 0.2056, 0.2002
Android (android.graphics.Color)	4283666667 (0xFF5390EB)
YUV	136.1350, 48.7404, -46.5994
Hunter-Lab	52.7102, 4.3921, -55.8517

Details

The XYZ color **28.5359, 27.7837, 82.4560** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **50.9603, 48.5618, 14.8727**, and the grayscale version is **23.2943, 24.5074, 26.6886**.

A 20% lighter version of the original color is **49.6933, 53.1722, 102.2519**, and **12.1394, 11.2601, 44.1814** is the 20% darker color. If you saturate the color by 10%, you get **24.8030, 22.8908, 81.7089**, and if you desaturate by 10%, it is **33.2390, 33.5717, 83.3259**.

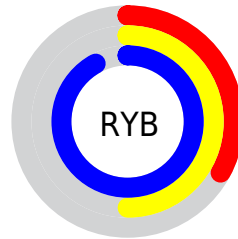
Distribution



Red (33%)

Green (56%)

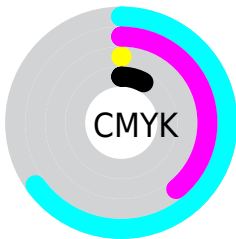
Blue (92%)



Red (33%)

Yellow (50%)

Blue (92%)

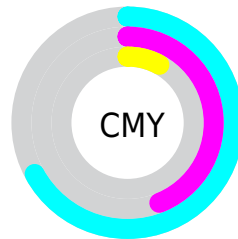


Cyan (65%)

Magenta (39%)

Yellow (0%)

Black (8%)



Cyan (67%)

Magenta (44%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5359, 27.7837, 82.4560 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 28.5359, 27.7837, 82.4560 by changing the saturation by 10% instead.

■ 28.5359, 27.7837,
82.4560

■ 28.5359, 27.7837,
82.4560

287.0527,
291.4319, 523.0951

■ 18.8725, 18.1627,
61.2035

■ 56.7416, 56.1389,
138.6557

■ 11.6817, 11.0668,
43.9578

■ 76.0146, 75.6419,
174.4399

■ 6.5980, 6.1118,
30.3004

■ 99.2216, 99.2077,
215.9052

■ 3.2560, 2.9132,
19.8127

■ 126.7278,
127.2206, 263.4700

■ 1.2906, 1.0866,
12.0762

158.8987,
160.0651, 317.5528

■ 0.1761, 0.0000,
6.6725

196.0996,

■ 0.0000, 0.0000,

198.1255, 378.5723

3.1828

238.6958,
241.7864, 446.9469

■ 0.0000, 0.0000,
1.1887

■ 0.0000, 0.0000,
0.0000

■ 28.5359, 27.7837,
82.4560

■ 28.5359, 27.7837,
82.4560

■ 24.8030, 22.8908,
81.7089

■ 33.2390, 33.5717,
83.3259

■ 21.9529, 18.8325,
81.0758

■ 38.9821, 40.3034,
84.3226

■ 19.8853, 15.5421,
80.5497

■ 45.8318, 48.0267,
85.4523

■ 19.0253, 14.0578,
80.3085

■ 53.8481, 56.7848,
86.7203

■ 63.0862, 66.6182,
88.1314

■ 73.5976, 77.5648,
89.6903

■ 85.4308, 89.6609,
91.4014

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



22.1650, 27.7837, 78.8867



28.5359, 27.7837, 82.4560



35.3446, 27.7837, 68.1623

Triad

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



28.5359, 27.7837, 82.4560



37.5391, 27.7837, 12.5036



16.1850, 27.7837, 19.1233

Complementary

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



28.5359, 27.7837, 82.4560



50.9603, 48.5618, 14.8727

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.



19.1204, 27.7837, 9.8954



28.5359, 27.7837, 82.4560



31.1597, 27.7837, 7.3354

Square

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



28.5359, 27.7837, 82.4560



41.0863, 27.7837, 24.6933



24.3878, 27.7837, 6.6370



15.7219, 27.7837, 36.5874

Rectangle

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



28.5359, 27.7837, 82.4560



38.9629, 27.7837, 52.9285



24.3878, 27.7837, 6.6370



16.8886, 27.7837, 15.2014

Sweetspot

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



28.5370, 27.7846, 82.4567



70.8509, 74.8094, 105.3132



40.6913, 64.2224, 49.1155



14.4891, 15.2913, 22.4378



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.



28.5370, 27.7846, 82.4567



28.4790, 25.6487, 98.0574



22.8790, 14.6551, 80.2207



14.7273, 15.5411, 19.1458



10.7055, 8.0580, 44.7341



0.9326, 0.8166, 3.5433

Inverse Universe

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



42.3892, 25.8637, 29.1443



47.0971, 25.8733, 25.7735



61.4970, 75.6242, 19.5409



15.3159, 15.1542, 16.9489



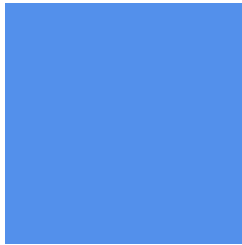
20.2589, 10.3063, 7.1649



1.6372, 0.8279, 0.8070

Previews

White Background



This preview shows how the XYZ color 28.5359, 27.7837, 82.4560 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 28.5359, 27.7837, 82.4560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

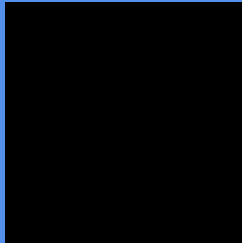
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

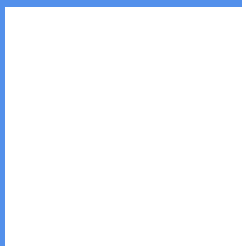
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5359, 27.7837, 82.4560

Background



This preview shows how black text looks on a background with the XYZ color 28.5359, 27.7837, 82.4560.



This preview shows how white text looks on a background with the XYZ color 28.5359, 27.7837,

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

28.5359, 27.7837, 82.4560

Protanopia

29.8653, 27.6515, 79.3645

Deuteranopia

28.6248, 27.8295, 82.4602



Tritanopia

20.6093, 27.9368, 42.3363

Trichromacy



Original Color

28.5359, 27.7837, 82.4560

Protanomaly

29.1274, 27.4726, 80.1115

Deuteranomaly

28.6248, 27.8295, 82.4602

Tritanomaly

22.9325, 27.6073, 55.1590

Monochromacy



Original Color

28.5359, 27.7837, 82.4560

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.0151, 25.2257, 42.6330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5359, 27.7837, 82.4560 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(83, 144, 235)` looks like.

```
.text, #text, p{  
    color:rgb(83, 144, 235)  
}
```

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(83, 144, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 144, 235) }
```

Border

The CSS property to change the border of an element to XYZ 28.5359, 27.7837, 82.4560 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(83, 144, 235) }
```


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

```
.border{ border-color:rgb(83, 144, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 144, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 144, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 144, 235);  
box-shadow:4px 4px 4px 4px rgb(83, 144,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5359, 27.7837, 82.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 144, 235) }
```

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

```
.background{ background-color: rgb(83, 144,  
235) }
```

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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