

Converting Colors

XYZ(29.4717, 25.8546, 87.3782)

Have a look what the booklet for
XYZ(29.4717, 25.8546, 87.3782)
contains.

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Color

**XYZ(29.4515, 25.7825,
87.4287)**

Conversions

Conversions Part 1

Format	Color
Hex	6285F2
RGB	98, 133, 242
RGB Percent	38%, 52%, 95%
CMY	0.6157, 0.4784, 0.0510
CMYK	0.60, 0.45, 0.00, 0.05
HSL	225°, 85%, 67%
HSV	225°, 60%, 95%
XYZ	29.4515, 25.7825, 87.4287
YIQ	134.9610, -55.8490, 26.4790

Conversions

Conversions Part 2

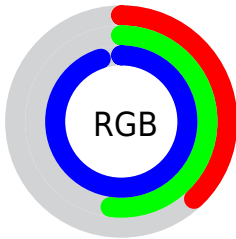
Format	Color
R _Y B	98, 126, 242
Decimal	6456818
CIE Lab	57.83, 20.11, -58.60
CIE LCh	58, 61.954, 288.943
Yxy	25.7825, 0.2064, 0.1807
Android (android.graphics.Color)	4284646898 (0xFF6285F2)
YUV	134.9610, 52.7702, -32.4148
Hunter-Lab	50.7765, 14.6752, -66.5441

Details

The XYZ color **29.4515, 25.7825, 87.4287** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.1376, 64.3882, 20.7629**, and the grayscale version is **22.8412, 24.0307, 26.1695**.

A 20% lighter version of the original color is **49.9070, 49.7087, 101.5721**, and **12.1584, 9.9626, 47.1811** is the 20% darker color. If you saturate the color by 10%, you get **24.9309, 20.0482, 86.5607**, and if you desaturate by 10%, it is **35.2007, 32.8000, 88.4808**.

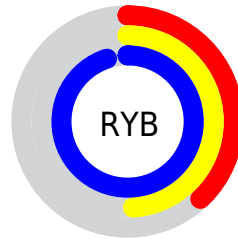
Distribution



Red (38%)

Green (52%)

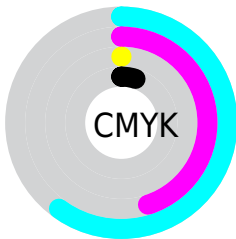
Blue (95%)



Red (38%)

Yellow (49%)

Blue (95%)

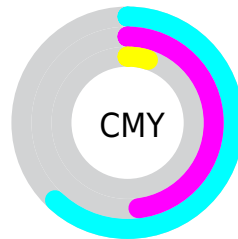


Cyan (60%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (62%)

Magenta (48%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4515, 25.7825, 87.4287 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 29.4515, 25.7825, 87.4287 by changing the saturation by 10% instead.

■ 29.4515, 25.7825,
87.4287

■ 29.4515, 25.7825,
87.4287

291.2953,
281.7127, 539.9833

■ 19.5686, 16.6610,
65.2884

■ 58.1863, 52.9239,
145.6657

■ 12.1883, 9.9931,
47.2421

■ 77.7689, 71.7125,
182.5994

■ 6.9452, 5.3944,
32.8714

■ 101.3155, 94.4923,
225.3013

■ 3.4739, 2.4805,
21.7576

■ 129.1914,
121.6477, 274.1900

■ 1.4090, 0.8668,
13.4823

161.7619,
153.5630, 329.6841

■ 0.2626, 0.0000,
7.6269

199.3925,

■ 0.0000, 0.0000,

190.6227, 392.2019

3.7728

242.4485,
233.2112, 462.1621

■ 0.0000, 0.0000,
1.5016

■ 0.0000, 0.0000,
0.2191

■ 29.4515, 25.7825,
87.4287

■ 29.4515, 25.7825,
87.4287

■ 24.9309, 20.0482,
86.5607

■ 35.2007, 32.8000,
88.4808

■ 21.5393, 15.5113,
85.8637

■ 42.2608, 41.1735,
89.7249

■ 19.1657, 12.0779,
85.3261

■ 50.7105, 50.9731,
91.1711

■ 17.6438, 9.6217,
84.9323

■ 60.6210, 62.2632,
92.8279

■ 17.5815, 9.5195,
84.9158

■ 72.0587, 75.1040,
94.7036

■ 85.0859, 89.5523,
96.8058

■ 93.0271, 99.1909,
98.2477

Harmonies

Analogous

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



21.8618, 25.7825, 90.5773



29.4515, 25.7825, 87.4287



36.9597, 25.7825, 64.5186

Triad

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



29.4515, 25.7825, 87.4287



35.1593, 25.7825, 7.1201



12.9717, 25.7825, 20.9225

Complementary

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



29.4515, 25.7825, 87.4287



61.1376, 64.3882, 20.7629

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.



15.2200, 25.7825, 8.8397



29.4515, 25.7825, 87.4287



27.3542, 25.7825, 4.0005

Square

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



29.4515, 25.7825, 87.4287



40.6885, 25.7825, 16.7581



20.1468, 25.7825, 4.4119



13.3080, 25.7825, 43.5922

Rectangle

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



29.4515, 25.7825, 87.4287



40.4358, 25.7825, 45.5257



20.1468, 25.7825, 4.4119



13.4285, 25.7825, 15.7706

Sweetspot

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



29.4526, 25.7833, 87.4294



70.0330, 72.1102, 104.8353



47.9310, 70.5581, 69.4869



14.2399, 14.5866, 22.3149



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.



29.4526, 25.7833, 87.4294



27.3427, 21.6189, 97.3395



30.2279, 20.2163, 86.3140



15.2092, 15.8525, 19.9798



9.5338, 5.2918, 45.6468



0.8684, 0.5908, 3.8225

Inverse Universe

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



45.2203, 29.3076, 25.4643



46.9525, 27.4577, 19.9491



59.4115, 77.5088, 23.3864



15.9303, 15.8218, 17.1891



20.1378, 10.3276, 3.3764



1.7133, 0.8744, 0.4810

Previews

White Background



This preview shows how the XYZ color 29.4515, 25.7825, 87.4287 looks on a white background.

Color Contrast Check

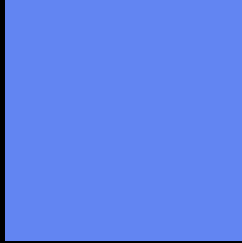
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4515, 25.7825, 87.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

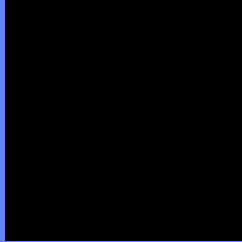
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4515, 25.7825, 87.4287

Background



This preview shows how black text looks on a background with the XYZ color 29.4515, 25.7825, 87.4287.



This preview shows how white text looks on a background with the XYZ color 29.4515, 25.7825,

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

29.4515, 25.7825, 87.4287

Protanopia

29.0176, 25.9343, 89.0644

Deuteranopia

26.7371, 25.8882, 86.0258



Tritanopia

19.7274, 25.8343, 38.5971

Trichromacy



Original Color

29.4515, 25.7825, 87.4287

Protanomaly

29.1164, 25.7966, 88.2387

Deuteranomaly

27.4214, 25.5818, 86.7116

Tritanomaly

22.4682, 25.2888, 53.5662

Monochromacy



Original Color

29.4515, 25.7825, 87.4287

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.1911, 24.2438, 43.4489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4515, 25.7825, 87.4287 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(98, 133, 242)` looks like.

```
.text, #text, p{  
    color:rgb(98, 133, 242)  
}
```

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(98, 133, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 133, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.4515, 25.7825, 87.4287 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(98, 133, 242) }
```


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

```
.border{ border-color:rgb(98, 133, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 133, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 133, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 133, 242);  
box-shadow:4px 4px 4px 4px rgb(98, 133,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4515, 25.7825, 87.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 133, 242) }
```

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

```
.background{ background-color: rgb(98, 133,  
242) }
```

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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