

Converting Colors

XYZ(28.5415, 25.5158, 87.6221)

Have a look what the booklet for
XYZ(28.5415, 25.5158, 87.6221)
contains.

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Color

**XYZ(28.4826, 25.4872,
87.4227)**

Conversions

Conversions Part 1

Format	Color
Hex	5786F2
RGB	87, 134, 242
RGB Percent	34%, 53%, 95%
CMY	0.6588, 0.4745, 0.0510
CMYK	0.64, 0.45, 0.00, 0.05
HSL	222°, 86%, 65%
HSV	222°, 64%, 95%
XYZ	28.4826, 25.4872, 87.4227
YIQ	132.2590, -62.6800, 23.6240

Conversions

Conversions Part 2

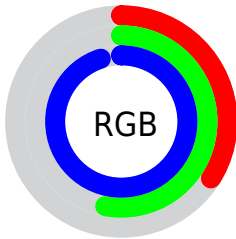
Format	Color
R _Y B	87, 123, 242
Decimal	5736178
CIE Lab	57.55, 17.58, -59.08
CIE LCh	58, 61.643, 286.570
Yxy	25.4872, 0.2014, 0.1803
Android (android.graphics.Color)	4283926258 (0xFF5786F2)
YUV	132.2590, 54.1023, -39.6921
Hunter-Lab	50.4848, 12.3578, -67.3309

Details

The XYZ color **28.4826, 25.4872, 87.4227** 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 **57.8560, 58.5998, 17.2804**, and the grayscale version is **21.8539, 22.9920, 25.0382**.

A 20% lighter version of the original color is **48.3980, 49.2447, 101.5621**, and **12.0055, 9.9998, 47.1963** is the 20% darker color. If you saturate the color by 10%, you get **24.4422, 20.2161, 86.6188**, and if you desaturate by 10%, it is **33.6537, 31.8934, 88.3872**.

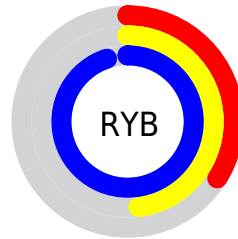
Distribution



Red (34%)

Green (53%)

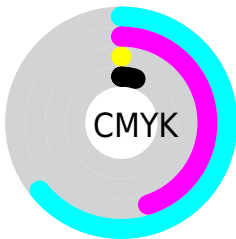
Blue (95%)



Red (34%)

Yellow (48%)

Blue (95%)

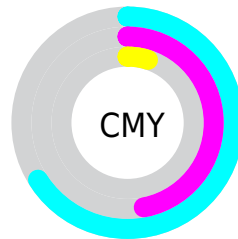


Cyan (64%)

Magenta (45%)

Yellow (0%)

Black (5%)



Cyan (66%)

Magenta (47%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4826, 25.4872, 87.4227 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 28.4826, 25.4872, 87.4227 by changing the saturation by 10% instead.

■ 28.4826, 25.4872,
87.4227

■ 28.4826, 25.4872,
87.4227

286.8043,
280.2556, 539.9631

■ 18.8321, 16.4404,
65.2834

■ 56.6573, 52.4465,
145.6572

■ 11.6523, 9.8363,
47.2382

■ 75.9122, 71.1278,
182.5896

■ 6.5779, 5.2906,
32.8683

■ 99.0992, 93.7894,
225.2901

■ 3.2435, 2.4187,
21.7553

■ 126.5838,
120.8157, 274.1772

■ 1.2838, 0.8355,
13.4806

158.7312,
152.5911, 329.6695

■ 0.1711, 0.0000,
7.6257

195.9068,

■ 0.0000, 0.0000,

189.4999, 392.1856

3.7721

238.4761,
231.9266, 462.1439

■ 0.0000, 0.0000,
1.5012

■ 0.0000, 0.0000,
0.2188

■ 28.4826, 25.4872,
87.4227

■ 28.4826, 25.4872,
87.4227

■ 24.4422, 20.2161,
86.6188

■ 33.6537, 31.8934,
88.3872

■ 21.4327, 16.0018,
85.9640

■ 40.0370, 39.5002,
89.5191

■ 19.3395, 12.7573,
85.4480

■ 47.7096, 48.3707,
90.8269

■ 18.4342, 11.2250,
85.2000

■ 56.7409, 58.5622,
92.3180

■ 67.1955, 70.1286,
93.9995

■ 79.1333, 83.1205,
95.8780

■ 92.0904, 97.3174,
97.9354

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



21.0887, 25.4872, 88.6622



28.4826, 25.4872, 87.4227



36.0047, 25.4872, 65.9077

Triad

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



28.4826, 25.4872, 87.4227



35.2962, 25.4872, 7.5151



12.9155, 25.4872, 19.3730

Complementary

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



28.4826, 25.4872, 87.4227



57.8560, 58.5998, 17.2804

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.



15.3433, 25.4872, 8.1909



28.4826, 25.4872, 87.4227



27.6573, 25.4872, 4.0657

Square

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



28.4826, 25.4872, 87.4227



40.4505, 25.4872, 17.7354



20.4140, 25.4872, 4.2274



13.0478, 25.4872, 40.9674

Rectangle

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



28.4826, 25.4872, 87.4227



39.6421, 25.4872, 47.1546



20.4140, 25.4872, 4.2274



13.4344, 25.4872, 14.5690

Sweetspot

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



28.4837, 25.4880, 87.4234



69.5763, 72.2602, 104.8883



45.3004, 69.3780, 61.4091



14.1839, 14.6810, 22.3361



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.



28.4837, 25.4880, 87.4234



26.3328, 21.1387, 97.3000



26.5622, 16.9024, 85.8675



15.2880, 16.0101, 20.0061



10.0079, 6.2400, 45.8048



0.9168, 0.6877, 3.8386

Inverse Universe

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



44.3303, 27.4165, 25.5101



46.0668, 25.6644, 19.7218



61.0838, 78.4268, 20.9372



15.9701, 15.8377, 17.3986



20.3771, 10.4233, 4.6365



1.7377, 0.8841, 0.6097

Previews

White Background



This preview shows how the XYZ color 28.4826, 25.4872, 87.4227 looks on a white background.

Color Contrast Check

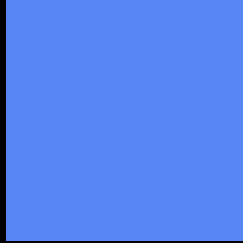
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4826, 25.4872, 87.4227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

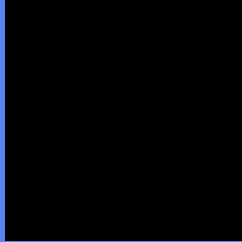
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4826, 25.4872, 87.4227

Background



This preview shows how black text looks on a background with the XYZ color 28.4826, 25.4872, 87.4227.



This preview shows how white text looks on a background with the XYZ color 28.4826, 25.4872,

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

28.4826, 25.4872, 87.4227

Protanopia

28.5766, 25.5357, 87.4271

Deuteranopia

26.4252, 25.4942, 86.7472



Tritanopia

18.8839, 25.6290, 39.0736

Trichromacy



Original Color

28.4826, 25.4872, 87.4227

Protanomaly

28.5766, 25.5357, 87.4271

Deuteranomaly

26.8727, 25.2990, 86.6859

Tritanomaly

21.3847, 24.9561, 53.5591

Monochromacy



Original Color

28.4826, 25.4872, 87.4227

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.0364, 23.4666, 42.3451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4826, 25.4872, 87.4227 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(87, 134, 242)` looks like.

```
.text, #text, p{  
    color:rgb(87, 134, 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(87, 134, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 134, 242) }
```

Border

The CSS property to change the border of an element to XYZ 28.4826, 25.4872, 87.4227 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(87, 134, 242) }
```


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

```
.border{ border-color:rgb(87, 134, 242) }
```

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

Here you see how a box with a 4 pixel rgb(87, 134, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 134, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 134, 242);  
box-shadow:4px 4px 4px 4px rgb(87, 134,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4826, 25.4872, 87.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 134, 242) }
```

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

```
.background{ background-color: rgb(87, 134,  
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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