

Converting Colors

XYZ(28.5370, 24.9185, 89.8380)

Have a look what the booklet for
XYZ(28.5370, 24.9185, 89.8380)
contains.

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Color

**XYZ(28.4355, 24.8036,
89.6751)**

Conversions

Conversions Part 1

Format	Color
Hex	5683F5
RGB	86, 131, 245
RGB Percent	34%, 51%, 96%
CMY	0.6627, 0.4863, 0.0392
CMYK	0.65, 0.47, 0.00, 0.04
HSL	223°, 89%, 65%
HSV	223°, 65%, 96%
XYZ	28.4355, 24.8036, 89.6751
YIQ	130.5410, -63.4140, 25.9140

Conversions

Conversions Part 2

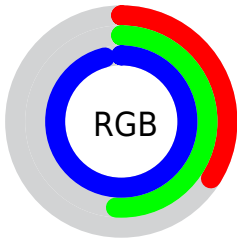
Format	Color
R _Y B	86, 121, 245
Decimal	5669877
CIE Lab	56.88, 20.26, -61.81
CIE LCh	57, 65.044, 288.144
Yxy	24.8036, 0.1990, 0.1736
Android (android.graphics.Color)	4283859957 (0xFF5683F5)
YUV	130.5410, 56.4283, -39.0625
Hunter-Lab	49.8032, 14.7602, -71.8947

Details

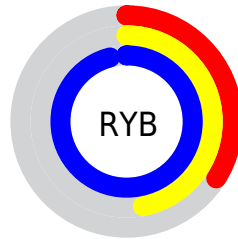
The XYZ color **28.4355, 24.8036, 89.6751** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **59.9929, 61.3974, 17.4950**, and the grayscale version is **21.2332, 22.3390, 24.3271**.

A 20% lighter version of the original color is **47.5849, 47.8905, 101.3435**, and **12.0944, 9.6654, 48.8051** is the 20% darker color. If you saturate the color by 10%, you get **24.3912, 19.5083, 88.8667**, and if you desaturate by 10%, it is **33.6547, 31.2988, 90.6543**.

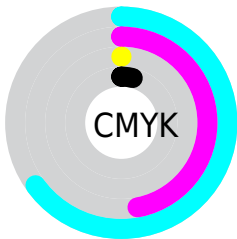
Distribution



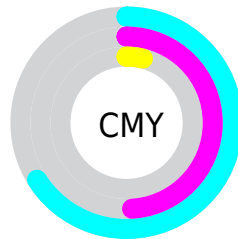
- Red (34%)
- Green (51%)
- Blue (96%)



- Red (34%)
- Yellow (47%)
- Blue (96%)



- Cyan (65%)
- Magenta (47%)
- Yellow (0%)
- Black (4%)



- Cyan (66%)
- Magenta (49%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4355, 24.8036, 89.6751 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 28.4355, 24.8036, 89.6751 by changing the saturation by 10% instead.

■ 28.4355, 24.8036,
89.6751

■ 28.4355, 24.8036,
89.6751

286.5846,
276.8584, 547.5162

■ 18.7963, 15.9308,
67.1390

■ 56.5828, 51.3384,
148.8186

■ 11.6263, 9.4752,
48.7353

■ 75.8216, 69.7692,
186.2631

■ 6.5602, 5.0524,
34.0454

■ 98.9910, 92.1548,
229.5141

■ 3.2325, 2.2780,
22.6509

■ 126.4564,
118.8796, 278.9902

■ 1.2778, 0.7621,
14.1330

158.5831,
150.3280, 335.1099

■ 0.1665, 0.0000,
8.0735

195.7365,

■ 0.0000, 0.0000,

186.8843, 398.2918

4.0535

238.2818,
228.9330, 468.9544

■ 0.0000, 0.0000,
1.6548

■ 0.0000, 0.0000,
0.3295

■ 28.4355, 24.8036,
89.6751

■ 28.4355, 24.8036,
89.6751

■ 24.3912, 19.5083,
88.8667

■ 33.6547, 31.2988,
90.6543

■ 21.4156, 15.3276,
88.2166

■ 40.1355, 39.0658,
91.8119

■ 19.3861, 12.1660,
87.7133

■ 47.9595, 48.1730,
93.1574

■ 18.6301, 10.8897,
87.5068

■ 57.2004, 58.6830,
94.6990

■ 67.9263, 70.6540,
96.4443

■ 80.2006, 84.1412,
98.4006

■ 93.1538, 98.7172,
100.5314

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



20.6928, 24.8036, 92.3514



28.4355, 24.8036, 89.6751



36.2502, 24.8036, 65.7674

Triad

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



28.4355, 24.8036, 89.6751



34.7580, 24.8036, 6.2657



11.9519, 24.8036, 19.2747

Complementary

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



28.4355, 24.8036, 89.6751



59.9929, 61.3974, 17.4950

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.



14.2638, 24.8036, 7.5760



28.4355, 24.8036, 89.6751



26.7133, 24.8036, 3.2445

Square

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



28.4355, 24.8036, 89.6751



40.4076, 24.8036, 15.9392



19.3027, 24.8036, 3.5431



12.2182, 24.8036, 42.2849

Rectangle

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



28.4355, 24.8036, 89.6751



39.9448, 24.8036, 45.8205



19.3027, 24.8036, 3.5431



12.4286, 24.8036, 14.2099

Sweetspot

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



28.4366, 24.8044, 89.6758



69.3182, 71.7439, 104.8022



46.9111, 71.4521, 65.9341



14.1223, 14.5577, 22.3155



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.



28.4366, 24.8044, 89.6758



25.5232, 19.7371, 97.0722



27.6194, 17.2755, 88.2656



15.9630, 16.6903, 20.9228



10.1373, 6.0684, 47.1751



0.9746, 0.7007, 4.1741

Inverse Universe

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



45.0818, 27.7084, 24.4453



45.6051, 25.2765, 17.9171



61.0687, 79.7602, 20.9827



16.6919, 16.5596, 18.1241



20.9214, 10.7120, 4.2943



1.8810, 0.9584, 0.5998

Previews

White Background



This preview shows how the XYZ color 28.4355, 24.8036, 89.6751 looks on a white background.

Color Contrast Check

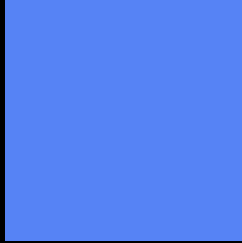
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4355, 24.8036, 89.6751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

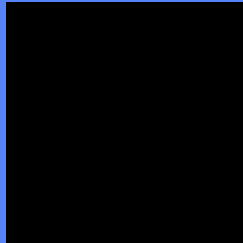
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4355, 24.8036, 89.6751

Background



This preview shows how black text looks on a background with the XYZ color 28.4355, 24.8036, 89.6751.



This preview shows how white text looks on a background with the XYZ color 28.4355, 24.8036,

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

28.4355, 24.8036, 89.6751

Protanopia

28.1941, 24.8618, 90.5016

Deuteranopia

25.7181, 24.8810, 88.2410



Tritanopia

18.0876, 24.7614, 38.0085

Trichromacy



Original Color

28.4355, 24.8036, 89.6751

Protanomaly

28.3655, 24.9502, 90.5096

Deuteranomaly

26.2120, 24.4880, 88.9331

Tritanomaly

20.8051, 24.2076, 53.4452

Monochromacy



Original Color

28.4355, 24.8036, 89.6751

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.6329, 22.8560, 42.2485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4355, 24.8036, 89.6751 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(86, 131, 245)` looks like.

```
.text, #text, p{  
  color:rgb(86, 131, 245)  
}
```

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(86, 131, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 131, 245) }
```

Border

The CSS property to change the border of an element to XYZ 28.4355, 24.8036, 89.6751 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(86, 131, 245) }
```


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

```
.border{ border-color:rgb(86, 131, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 131, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 131, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 131, 245);  
box-shadow:4px 4px 4px 4px rgb(86, 131,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4355, 24.8036, 89.6751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 131, 245) }
```

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

```
.background{ background-color: rgb(86, 131,  
245) }
```

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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