

Converting Colors

XYZ(28.9585, 24.1159, 88.0842)

Have a look what the booklet for
XYZ(28.9585, 24.1159, 88.0842)
contains.

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Color

**XYZ(28.8940, 24.1021,
87.9233)**

Conversions

Conversions Part 1

Format	Color
Hex	647EF3
RGB	100, 126, 243
RGB Percent	39%, 49%, 95%
CMY	0.6078, 0.5059, 0.0471
CMYK	0.59, 0.48, 0.00, 0.05
HSL	229°, 86%, 67%
HSV	229°, 59%, 95%
XYZ	28.8940, 24.1021, 87.9233
YIQ	131.5640, -53.0530, 30.8750

Conversions

Conversions Part 2

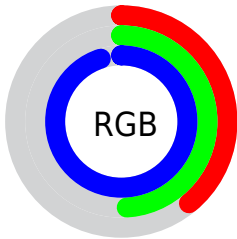
Format	Color
R _Y B	100, 122, 243
Decimal	6586099
CIE Lab	56.19, 25.03, -61.78
CIE LCh	56, 66.656, 292.059
Yxy	24.1021, 0.2050, 0.1710
Android (android.graphics.Color)	4284776179 (0xFF647EF3)
YUV	131.5640, 54.9379, -27.6816
Hunter-Lab	49.0939, 19.1411, -71.8180

Details

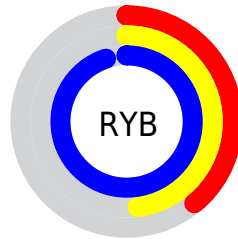
The XYZ color **28.8940, 24.1021, 87.9233** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **64.0774, 69.6039, 22.1160**, and the grayscale version is **21.5991, 22.7240, 24.7464**.

A 20% lighter version of the original color is **48.6683, 46.6379, 101.0447**, and **11.9182, 9.1645, 47.5951** is the 20% darker color. If you saturate the color by 10%, you get **24.3013, 18.3282, 87.0514**, and if you desaturate by 10%, it is **34.7954, 31.3011, 89.0023**.

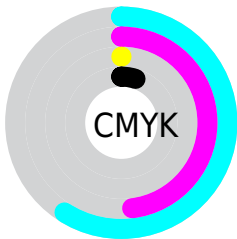
Distribution



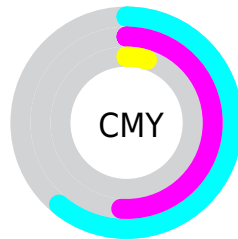
- Red (39%)
- Green (49%)
- Blue (95%)



- Red (39%)
- Yellow (48%)
- Blue (95%)



- Cyan (59%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)



- Cyan (61%)
- Magenta (51%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8940, 24.1021, 87.9233 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 28.8940, 24.1021, 87.9233 by changing the saturation by 10% instead.

■ 28.8940, 24.1021,
87.9233

■ 28.8940, 24.1021,
87.9233

288.7177,
273.3363, 541.6468

■ 19.1445, 15.4094,
65.6956

■ 57.3074, 50.1968,
146.3606

■ 11.8794, 9.1072,
47.5704

■ 76.7019, 68.3675,
183.4072

■ 6.7332, 4.8112,
33.1292

■ 100.0423, 90.4663,
226.2305

■ 3.3407, 2.1369,
21.9535

■ 127.6937,
116.8777, 275.2491

■ 1.3364, 0.6853,
13.6248

160.0217,
147.9860, 330.8815

■ 0.2102, 0.0000,
7.7244

197.3914,

■ 0.0000, 0.0000,

184.1756, 393.5462

3.8339

240.1683,
225.8309, 463.6618

■ 0.0000, 0.0000,
1.5347

■ 0.0000, 0.0000,
0.2435

■ 28.8940, 24.1021,
87.9233

■ 28.8940, 24.1021,
87.9233

■ 24.3013, 18.3282,
87.0514

■ 34.7954, 31.3011,
89.0023

■ 20.9102, 13.8789,
86.3713

■ 42.0944, 40.0114,
90.2989

■ 18.6015, 10.6434,
85.8685

■ 50.8759, 50.3149,
91.8248

■ 17.2084, 8.4802,
85.5244

■ 61.2167, 62.2869,
93.5907

■ 17.0850, 8.2855,
85.4933

■ 73.1886, 75.9977,
95.6061

■ 86.8585, 91.5138,
97.8805

■ 93.1778, 99.2511,
99.0409

Harmonies

Analogous

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



20.9340, 24.1021, 94.0661



28.8940, 24.1021, 87.9233



36.5906, 24.1021, 61.6400

Triad

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



28.8940, 24.1021, 87.9233



33.2048, 24.1021, 5.0584



11.2022, 24.1021, 20.8384

Complementary

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



28.8940, 24.1021, 87.9233



64.0774, 69.6039, 22.1160

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.



13.1490, 24.1021, 7.9185



28.8940, 24.1021, 87.9233



25.0031, 24.1021, 2.7176

Square

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



28.8940, 24.1021, 87.9233



39.4408, 24.1021, 13.3798



17.8123, 24.1021, 3.3530



11.7936, 24.1021, 45.4758

Rectangle

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



28.8940, 24.1021, 87.9233



39.9628, 24.1021, 41.4914



17.8123, 24.1021, 3.3530



11.5627, 24.1021, 15.2800

Sweetspot

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



28.8951, 24.1029, 87.9239



69.3003, 70.6448, 104.5910



49.8035, 71.8099, 76.7350



14.0641, 14.2350, 22.2563



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.



28.8951, 24.1029, 87.9239



26.1136, 19.1606, 96.9298



32.4635, 21.6327, 87.2591



15.8248, 16.4139, 20.8767



9.4463, 4.6865, 46.9447



0.8962, 0.5438, 4.1480

Inverse Universe

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



45.2862, 29.6768, 23.0804



46.3321, 27.2095, 16.6820



57.5661, 76.9895, 23.8847



16.6221, 16.5317, 17.7567



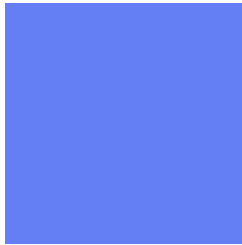
20.5726, 10.5725, 2.4577



1.8414, 0.9425, 0.3913

Previews

White Background



This preview shows how the XYZ color 28.8940, 24.1021, 87.9233 looks on a white background.

Color Contrast Check

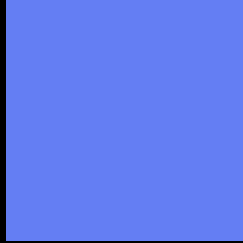
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8940, 24.1021, 87.9233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

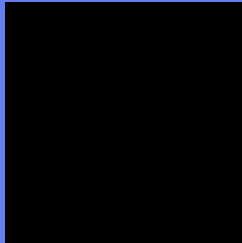
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8940, 24.1021, 87.9233

Background



This preview shows how black text looks on a background with the XYZ color 28.8940, 24.1021, 87.9233.



This preview shows how white text looks on a background with the XYZ color 28.8940, 24.1021,

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

28.8940, 24.1021, 87.9233

Protanopia

27.5952, 24.1365, 91.2001

Deuteranopia

24.9332, 24.1063, 85.7769



Tritanopia

18.5003, 24.0832, 36.0212

Trichromacy



Original Color

28.8940, 24.1021, 87.9233

Protanomaly

28.0521, 24.1933, 90.3801

Deuteranomaly

25.5446, 23.5835, 86.4248

Tritanomaly

21.3984, 23.6759, 51.5862

Monochromacy



Original Color

28.8940, 24.1021, 87.9233

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.1748, 22.9369, 42.2355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8940, 24.1021, 87.9233 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(100, 126, 243)` looks like.

```
.text, #text, p{  
    color:rgb(100, 126, 243)  
}
```

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(100, 126, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 126, 243) }
```

Border

The CSS property to change the border of an element to XYZ 28.8940, 24.1021, 87.9233 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(100, 126, 243) }
```


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

```
.border{ border-color:rgb(100, 126, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 126, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 126, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 126, 243);  
box-shadow:4px 4px 4px 4px rgb(100, 126,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8940, 24.1021, 87.9233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 126, 243) }
```

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

```
.background{ background-color: rgb(100,  
126, 243) }
```

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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