

Converting Colors

XYZ(28.6686, 24.6467, 79.6284)

Have a look what the booklet for
XYZ(28.6686, 24.6467, 79.6284)
contains.

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Color

**XYZ(28.5913, 24.5157,
79.5690)**

Conversions

Conversions Part 1

Format	Color
Hex	6D80E8
RGB	109, 128, 232
RGB Percent	43%, 50%, 91%
CMY	0.5725, 0.4980, 0.0902
CMYK	0.53, 0.45, 0.00, 0.09
HSL	231°, 73%, 67%
HSV	231°, 53%, 91%
XYZ	28.5913, 24.5157, 79.5690
YIQ	134.1750, -44.7080, 28.3160

Conversions

Conversions Part 2

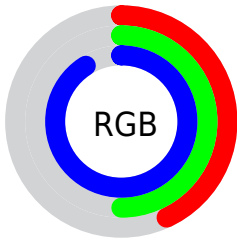
Format	Color
RYB	109, 125, 232
Decimal	7176424
CIELab	56.60, 22.09, -54.97
CIELCh	57, 59.243, 291.888
Yxy	24.5157, 0.2155, 0.1848
Android (android.graphics.Color)	4285366504 (0xFF6D80E8)
YUV	134.1750, 48.2277, -22.0785
Hunter-Lab	49.5133, 16.4259, -60.6210

Details

The XYZ color **28.5913, 24.5157, 79.5690** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.8351, 65.8512, 24.0265**, and the grayscale version is **22.5652, 23.7404, 25.8533**.

A 20% lighter version of the original color is **50.5102, 48.4832, 101.3038**, and **11.7146, 9.2844, 42.2489** is the 20% darker color. If you saturate the color by 10%, you get **23.7887, 18.6018, 78.6812**, and if you desaturate by 10%, it is **34.6437, 31.8087, 80.6582**.

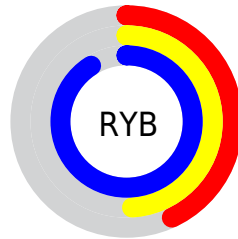
Distribution



Red (43%)

Green (50%)

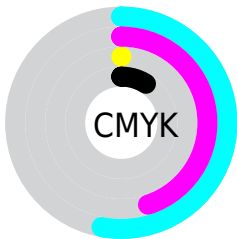
Blue (91%)



Red (43%)

Yellow (49%)

Blue (91%)

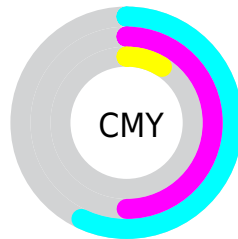


Cyan (53%)

Magenta (45%)

Yellow (0%)

Black (9%)



Cyan (57%)

Magenta (50%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5913, 24.5157, 79.5690 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 28.5913, 24.5157, 79.5690 by changing the saturation by 10% instead.

■ 28.5913, 24.5157,
79.5690

■ 28.5913, 24.5157,
79.5690

287.3108,
275.4174, 513.1476

■ 18.9146, 15.7166,
58.8397

■ 56.8292, 50.8705,
134.5655

■ 11.7122, 9.3238,
42.0649

■ 76.1210, 69.1949,
169.6698

■ 6.6188, 4.9530,
28.8262

■ 99.3487, 91.4632,
210.4028

■ 3.2691, 2.2197,
18.7049

126.8774,
118.0599, 257.1830

■ 1.2976, 0.7307,
11.2826

159.0727,
149.3693, 310.4291

■ 0.1814, 0.0000,
6.1407

196.2997,

■ 0.0000, 0.0000,

185.7757, 370.5595

2.8606

238.9240,
227.6636, 437.9928

■ 0.0000, 0.0000,
1.0239

■ 0.0000, 0.0000,
0.0000

■ 28.5913, 24.5157,
79.5690

■ 28.5913, 24.5157,
79.5690

■ 23.7887, 18.6018,
78.6812

■ 34.6437, 31.8087,
80.6582

■ 20.1434, 13.9762,
77.9804

■ 42.0231, 40.5588,
81.9582

■ 17.5551, 10.5403,
77.4537

■ 50.8041, 50.8411,
83.4801

■ 15.9036, 8.1797,
77.0851

■ 61.0547, 62.7247,
85.2336

■ 15.1914, 7.0778,
76.9099

■ 72.8387, 76.2745,
87.2279

■ 86.2157, 91.5516,
89.4716

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



21.4834, 24.5157, 84.5423



28.5913, 24.5157, 79.5690



35.3420, 24.5157, 57.5850

Triad

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



28.5913, 24.5157, 79.5690



32.4611, 24.5157, 6.5991



12.5020, 24.5157, 21.6943

Complementary

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



28.5913, 24.5157, 79.5690



59.8351, 65.8512, 24.0265

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.



14.3629, 24.5157, 9.4687



28.5913, 24.5157, 79.5690



25.2193, 24.5157, 4.0067

Square

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



28.5913, 24.5157, 79.5690



37.8650, 24.5157, 14.9106



18.7079, 24.5157, 4.7086



13.0523, 24.5157, 43.4621

Rectangle

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



28.5913, 24.5157, 79.5690



38.2787, 24.5157, 40.2949



18.7079, 24.5157, 4.7086



12.8507, 24.5157, 16.5593

Sweetspot

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



28.5923, 24.5165, 79.5696



71.5649, 72.9962, 104.9255



46.9851, 65.6935, 72.1619



14.7480, 14.9640, 22.3610



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.



28.5923, 24.5165, 79.5696



28.8055, 22.2088, 97.3762



32.6133, 23.2492, 79.1131



13.7616, 14.2447, 18.1685



8.4913, 4.0446, 42.7163



0.6830, 0.4100, 3.1751

Inverse Universe

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



42.6446, 29.6530, 23.8985



48.2610, 30.1642, 20.1098



53.1039, 69.8945, 25.1617



14.4673, 14.4041, 15.3951



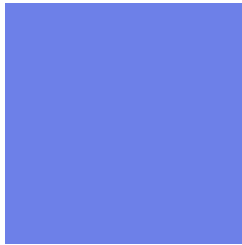
18.6795, 9.6060, 1.9413



1.4084, 0.7211, 0.2911

Previews

White Background



This preview shows how the XYZ color 28.5913, 24.5157, 79.5690 looks on a white background.

Color Contrast Check

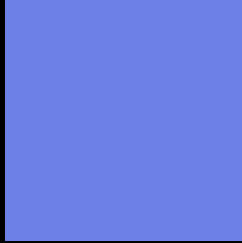
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5913, 24.5157, 79.5690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

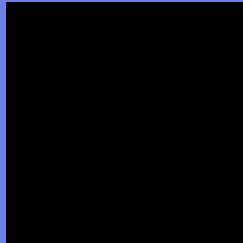
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5913, 24.5157, 79.5690

Background



This preview shows how black text looks on a background with the XYZ color 28.5913, 24.5157, 79.5690.



This preview shows how white text looks on a background with the XYZ color 28.5913, 24.5157,

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

28.5913, 24.5157, 79.5690

Protanopia

27.4161, 24.6334, 82.6666

Deuteranopia

25.4754, 24.7627, 78.2999



Tritanopia

19.7785, 24.5241, 35.5895

Trichromacy



Original Color

28.5913, 24.5157, 79.5690

Protanomaly

27.9356, 24.7176, 81.8959

Deuteranomaly

26.4286, 24.6136, 78.9593

Tritanomaly

22.2980, 24.2012, 48.8435

Monochromacy



Original Color

28.5913, 24.5157, 79.5690

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.9644, 23.7648, 41.3542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5913, 24.5157, 79.5690 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(109, 128, 232)` looks like.

```
.text, #text, p{  
    color:rgb(109, 128, 232)  
}
```

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(109, 128, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 128, 232) }
```

Border

The CSS property to change the border of an element to XYZ 28.5913, 24.5157, 79.5690 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(109, 128, 232) }
```


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

```
.border{ border-color:rgb(109, 128, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 128, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 128, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 128, 232);  
box-shadow:4px 4px 4px 4px rgb(109, 128,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5913, 24.5157, 79.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 128, 232) }
```

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

```
.background{ background-color: rgb(109,  
128, 232) }
```

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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