

Converting Colors

XYZ(28.2558, 24.3236, 80.2639)

Have a look what the booklet for
XYZ(28.2558, 24.3236, 80.2639)
contains.

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Color

**XYZ(28.2529, 24.3248,
80.2969)**

Conversions

Conversions Part 1

Format	Color
Hex	6980E9
RGB	105, 128, 233
RGB Percent	41%, 50%, 91%
CMY	0.5882, 0.4980, 0.0863
CMYK	0.55, 0.45, 0.00, 0.09
HSL	229°, 74%, 66%
HSV	229°, 55%, 91%
XYZ	28.2529, 24.3248, 80.2969
YIQ	133.0930, -47.4130, 27.7790

Conversions

Conversions Part 2

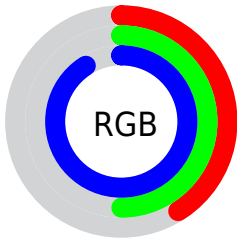
Format	Color
R _Y B	105, 124, 233
Decimal	6914281
CIE Lab	56.41, 21.57, -55.85
CIE LCh	56, 59.868, 291.121
Yxy	24.3248, 0.2126, 0.1831
Android (android.graphics.Color)	4285104361 (0xFF6980E9)
YUV	133.0930, 49.2542, -24.6376
Hunter-Lab	49.3202, 15.9428, -62.0044

Details

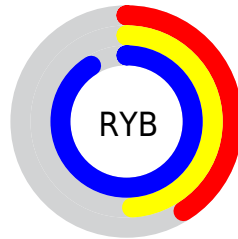
The XYZ color **28.2529, 24.3248, 80.2969** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.2028, 64.4400, 22.6842**, and the grayscale version is **22.1679, 23.3224, 25.3981**.

A 20% lighter version of the original color is **49.8837, 48.1603, 101.2744**, and **11.5311, 9.1784, 42.7588** is the 20% darker color. If you saturate the color by 10%, you get **23.6189, 18.5772, 79.4323**, and if you desaturate by 10%, it is **34.1081, 31.3996, 81.3544**.

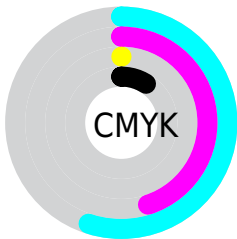
Distribution



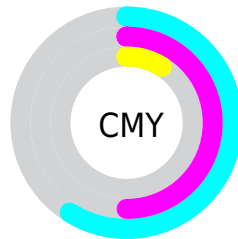
- Red (41%)
- Green (50%)
- Blue (91%)



- Red (41%)
- Yellow (49%)
- Blue (91%)



- Cyan (55%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (59%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2529, 24.3248, 80.2969 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 28.2529, 24.3248, 80.2969 by changing the saturation by 10% instead.

■ 28.2529, 24.3248,
80.2969

■ 28.2529, 24.3248,
80.2969

285.7316,
274.4585, 515.6660

■ 18.6578, 15.5747,
59.4351

■ 56.2938, 50.5597,
135.5982

■ 11.5258, 9.2237,
42.5412

■ 75.4703, 68.8133,
170.8749

■ 6.4916, 4.8874,
29.1965

■ 98.5713, 91.0036,
211.7935

■ 3.1897, 2.1813,
18.9827

125.9622,
117.5149, 258.7727

■ 1.2549, 0.7098,
11.4811

158.0083,
148.7317, 312.2310

■ 0.1490, 0.0000,
6.2732

195.0750,

■ 0.0000, 0.0000,

185.0383, 372.5870

2.9404

237.5277,
226.8191, 440.2591

■ 0.0000, 0.0000,
1.0643

■ 0.0000, 0.0000,
0.0000

■ 28.2529, 24.3248,
80.2969

■ 28.2529, 24.3248,
80.2969

■ 23.6189, 18.5772,
79.4323

■ 34.1081, 31.3996,
81.3544

■ 20.1138, 14.0691,
78.7469

■ 41.2615, 39.8767,
82.6136

■ 17.6365, 10.7056,
78.2282

■ 49.7873, 49.8283,
84.0851

■ 16.0648, 8.3756,
77.8613

■ 59.7532, 61.3208,
85.7781

■ 15.5311, 7.5292,
77.7261

■ 71.2223, 74.4166,
87.7014

■ 84.2537, 89.1745,
89.8631

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



21.1267, 24.3248, 84.7831



28.2529, 24.3248, 80.2969



35.1003, 24.3248, 58.3219

Triad

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



28.2529, 24.3248, 80.2969



32.5164, 24.3248, 6.5191



12.3091, 24.3248, 21.0291

Complementary

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



28.2529, 24.3248, 80.2969



59.2028, 64.4400, 22.6842

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.



14.2327, 24.3248, 9.0460



28.2529, 24.3248, 80.2969



25.2349, 24.3248, 3.8593

Square

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



28.2529, 24.3248, 80.2969



37.8833, 24.3248, 14.9918



18.6498, 24.3248, 4.4714



12.7978, 24.3248, 42.7240

Rectangle

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



28.2529, 24.3248, 80.2969



38.1312, 24.3248, 40.8262



18.6498, 24.3248, 4.4714



12.6781, 24.3248, 15.9709

Sweetspot

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



28.2539, 24.3256, 80.2975



71.8366, 73.5394, 105.0161



46.5406, 65.9119, 70.9389



14.8119, 15.0919, 22.3823



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.



28.2539, 24.3256, 80.2975



28.3063, 21.9395, 97.3506



31.5325, 22.0565, 79.6867



14.4500, 14.9865, 19.0533



8.8764, 4.3999, 44.1244



0.7598, 0.4710, 3.4857

Inverse Universe

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



42.5531, 28.9868, 23.7748



47.8311, 29.3108, 19.9464



53.5465, 70.5661, 24.1648



15.1760, 15.0982, 16.2119



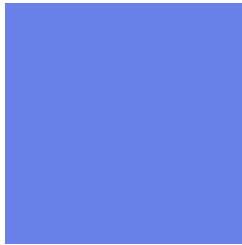
19.3357, 9.9370, 2.3032



1.5500, 0.7930, 0.3476

Previews

White Background



This preview shows how the XYZ color 28.2529, 24.3248, 80.2969 looks on a white background.

Color Contrast Check

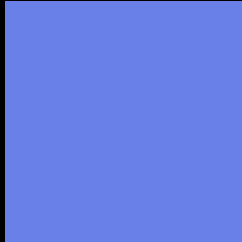
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2529, 24.3248, 80.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

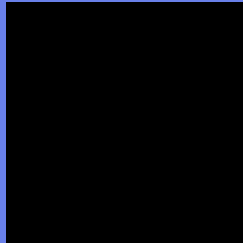
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2529, 24.3248, 80.2969

Background



This preview shows how black text looks on a background with the XYZ color 28.2529, 24.3248, 80.2969.



This preview shows how white text looks on a background with the XYZ color 28.2529, 24.3248,

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

28.2529, 24.3248, 80.2969

Protanopia

27.1871, 24.3150, 82.6172

Deuteranopia

25.2146, 24.4020, 78.9824



Tritanopia

19.2718, 24.2629, 35.5658

Trichromacy



Original Color

28.2529, 24.3248, 80.2969

Protanomaly

27.5941, 24.3431, 81.8416

Deuteranomaly

26.0949, 24.2210, 79.6437

Tritanomaly

21.9201, 23.9943, 49.3750

Monochromacy



Original Color

28.2529, 24.3248, 80.2969

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.4461, 23.3081, 40.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2529, 24.3248, 80.2969 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(105, 128, 233)` looks like.

```
.text, #text, p{  
    color:rgb(105, 128, 233)  
}
```

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(105, 128, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 128, 233) }
```

Border

The CSS property to change the border of an element to XYZ 28.2529, 24.3248, 80.2969 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(105, 128, 233) }
```


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

```
.border{ border-color:rgb(105, 128, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 128, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(105, 128,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2529, 24.3248, 80.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 128, 233) }
```

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

```
.background{ background-color: rgb(105,  
128, 233) }
```

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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