

Converting Colors

XYZ(28.2322, 23.9307, 80.2219)

Have a look what the booklet for
XYZ(28.2322, 23.9307, 80.2219)
contains.

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Color

**XYZ(28.2322, 23.9307,
80.2219)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7EE9
RGB	107, 126, 233
RGB Percent	42%, 49%, 91%
CMY	0.5804, 0.5059, 0.0863
CMYK	0.54, 0.46, 0.00, 0.09
HSL	231°, 74%, 67%
HSV	231°, 54%, 91%
XYZ	28.2322, 23.9307, 80.2219
YIQ	132.5170, -45.6710, 29.2490

Conversions

Conversions Part 2

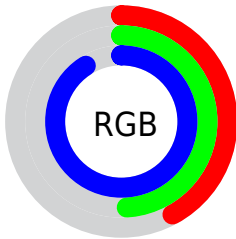
Format	Color
RYB	107, 124, 233
Decimal	7044841
CIELab	56.02, 23.19, -56.47
CIELCh	56, 61.043, 292.323
Yxy	23.9307, 0.2133, 0.1808
Android (android.graphics.Color)	4285234921 (0xFF6B7EE9)
YUV	132.5170, 49.5381, -22.3784
Hunter-Lab	48.9190, 17.4079, -62.9859

Details

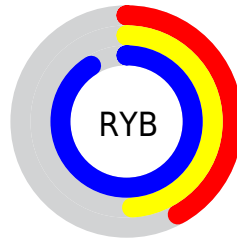
The XYZ color **28.2322, 23.9307, 80.2219** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **60.3064, 66.4810, 23.5651**, and the grayscale version is **21.9580, 23.1016, 25.1576**.

A 20% lighter version of the original color is **49.6963, 47.1678, 101.0928**, and **11.5747, 9.0945, 42.7403** is the 20% darker color. If you saturate the color by 10%, you get **23.5141, 18.1068, 79.3470**, and if you desaturate by 10%, it is **34.2073, 31.1460, 81.3002**.

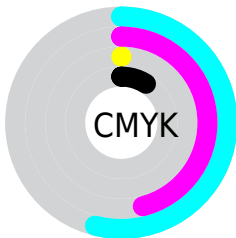
Distribution



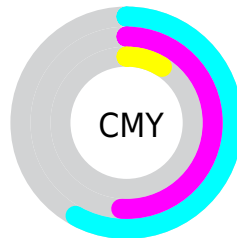
- Red (42%)
- Green (49%)
- Blue (91%)



- Red (42%)
- Yellow (49%)
- Blue (91%)



- Cyan (54%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)



- Cyan (58%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2322, 23.9307, 80.2219 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 28.2322, 23.9307, 80.2219 by changing the saturation by 10% instead.

■ 28.2322, 23.9307,
80.2219

■ 28.2322, 23.9307,
80.2219

285.6348,
272.4699, 515.4068

■ 18.6421, 15.2822,
59.3737

■ 56.2610, 49.9171,
135.4919

■ 11.5144, 9.0177,
42.4921

■ 75.4304, 68.0238,
170.7508

■ 6.4838, 4.7527,
29.1583

■ 98.5237, 90.0520,
211.6503

■ 3.1849, 2.1029,
18.9540

125.9061,
116.3862, 258.6091

■ 1.2523, 0.6663,
11.4606

157.9431,
147.4107, 312.0455

■ 0.1470, 0.0000,
6.2595

195.0000,

■ 0.0000, 0.0000,

183.5098, 372.3783

2.9322

237.4421,
225.0681, 440.0259

■ 0.0000, 0.0000,
1.0601

■ 0.0000, 0.0000,
0.0000

■ 28.2322, 23.9307,
80.2219

■ 28.2322, 23.9307,
80.2219

■ 23.5141, 18.1068,
79.3470

■ 34.2073, 31.1460,
81.3002

■ 19.9582, 13.5806,
78.6607

■ 41.5188, 39.8331,
82.5916

■ 17.4606, 10.2501,
78.1495

■ 50.2431, 50.0693,
84.1076

■ 15.8968, 7.9963,
77.7969

■ 60.4498, 61.9255,
85.8581

■ 15.3129, 7.0929,
77.6533

■ 72.2039, 75.4683,
87.8526

■ 85.5666, 90.7605,
90.1000

■ 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.



20.9996, 23.9307, 85.7086



28.2322, 23.9307, 80.2219



35.1041, 23.9307, 57.3086

Triad

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



28.2322, 23.9307, 80.2219



31.9719, 23.9307, 5.9407



11.8707, 23.9307, 21.2527

Complementary

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



28.2322, 23.9307, 80.2219



60.3064, 66.4810, 23.5651

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.



13.6925, 23.9307, 8.9193



28.2322, 23.9307, 80.2219



24.5854, 23.9307, 3.5136

Square

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



28.2322, 23.9307, 80.2219



37.5528, 23.9307, 14.0160



18.0200, 23.9307, 4.2235



12.4539, 23.9307, 43.5480

Rectangle

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



28.2322, 23.9307, 80.2219



38.0749, 23.9307, 39.5537



18.0200, 23.9307, 4.2235



12.2065, 23.9307, 16.0429

Sweetspot

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



28.2332, 23.9315, 80.2225



71.5255, 72.9173, 104.9124



47.0870, 66.1579, 72.5764



14.7387, 14.9455, 22.3579



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.



28.2332, 23.9315, 80.2225



28.2382, 21.4450, 97.2587



32.3615, 22.7897, 79.7845



14.4145, 14.9154, 19.0415



8.7444, 4.1358, 44.0804



0.7430, 0.4374, 3.4801

Inverse Universe

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



42.6288, 29.3467, 23.1569



47.8841, 29.6668, 19.1937



53.2797, 70.4166, 24.6951



15.1580, 15.0911, 16.1174



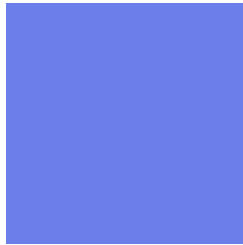
19.2691, 9.9103, 1.9523



1.5415, 0.7896, 0.3030

Previews

White Background



This preview shows how the XYZ color 28.2322, 23.9307, 80.2219 looks on a white background.

Color Contrast Check

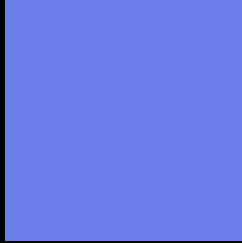
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2322, 23.9307, 80.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

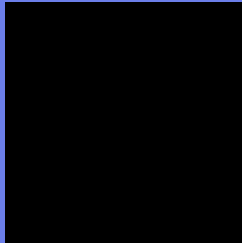
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2322, 23.9307, 80.2219

Background



This preview shows how black text looks on a background with the XYZ color 28.2322, 23.9307, 80.2219.



This preview shows how white text looks on a background with the XYZ color 28.2322, 23.9307,

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

28.2322, 23.9307, 80.2219

Protanopia

26.9248, 23.9645, 83.3273

Deuteranopia

24.8327, 23.9970, 78.9244



Tritanopia

19.1141, 23.9753, 34.6306

Trichromacy



Original Color

28.2322, 23.9307, 80.2219

Protanomaly

27.4042, 24.0320, 82.5512

Deuteranomaly

25.7972, 23.8652, 79.5907

Tritanomaly

21.6127, 23.4341, 48.1839

Monochromacy



Original Color

28.2322, 23.9307, 80.2219

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.4562, 23.1149, 40.7615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2322, 23.9307, 80.2219 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(107, 126, 233)` looks like.

```
.text, #text, p{  
    color:rgb(107, 126, 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(107, 126, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 126, 233) }
```

Border

The CSS property to change the border of an element to XYZ 28.2322, 23.9307, 80.2219 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(107, 126, 233) }
```


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

```
.border{ border-color:rgb(107, 126, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 126, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 126, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 126, 233);  
box-shadow:4px 4px 4px 4px rgb(107, 126,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2322, 23.9307, 80.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 126, 233) }
```

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

```
.background{ background-color: rgb(107,  
126, 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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