

Converting Colors

XYZ(28.8048, 23.2633, 71.9740)

Have a look what the booklet for
XYZ(28.8048, 23.2633, 71.9740)
contains.

XYZ(28.8034, 23.2961, 72.0857)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.8034, 23.2961,
72.0857)**

Conversions

Conversions Part 1

Format	Color
Hex	8078DE
RGB	128, 120, 222
RGB Percent	50%, 47%, 87%
CMY	0.4980, 0.5294, 0.1294
CMYK	0.42, 0.46, 0.00, 0.13
HSL	245°, 61%, 67%
HSV	245°, 46%, 87%
XYZ	28.8034, 23.2961, 72.0857
YIQ	134.0200, -27.9740, 33.4180

Conversions

Conversions Part 2

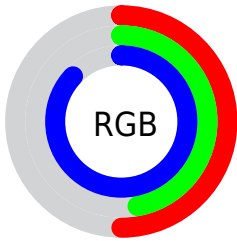
Format	Color
R _Y B	128, 120, 222
Decimal	8419550
CIE Lab	55.38, 28.19, -51.25
CIE LCh	55, 58.491, 298.813
Yxy	23.2961, 0.2319, 0.1876
Android (android.graphics.Color)	4286609630 (0xFF8078DE)
YUV	134.0200, 43.3741, -5.2795
Hunter-Lab	48.2660, 22.0567, -54.7639

Details

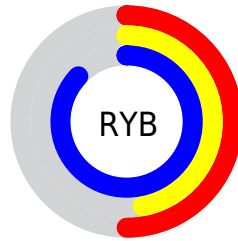
The XYZ color **28.8034, 23.2961, 72.0857** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **57.2428, 67.8949, 27.8580**, and the grayscale version is **22.5213, 23.6941, 25.8029**.

A 20% lighter version of the original color is **52.8101, 47.0393, 100.9038**, and **11.8087, 8.6374, 37.1212** is the 20% darker color. If you saturate the color by 10%, you get **23.6633, 17.1321, 71.1673**, and if you desaturate by 10%, it is **35.1846, 31.0193, 73.2406**.

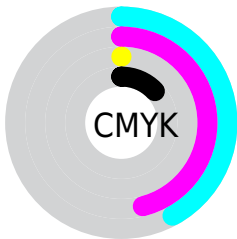
Distribution



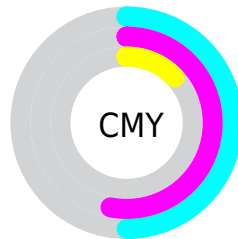
- Red (50%)
- Green (47%)
- Blue (87%)



- Red (50%)
- Yellow (47%)
- Blue (87%)



- Cyan (42%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8034, 23.2961, 72.0857 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 28.8034, 23.2961, 72.0857 by changing the saturation by 10% instead.

■ 28.8034, 23.2961,
72.0857

■ 28.8034, 23.2961,
72.0857

288.2972,
269.2422, 486.8254

■ 19.0757, 14.8123,
52.7414

■ 57.1643, 48.8791,
123.8872

■ 11.8293, 8.6878,
37.2101

■ 76.5282, 66.7470,
157.1815

■ 6.6989, 4.5381,
25.0731

■ 99.8349, 88.5118,
195.9630

■ 3.3192, 1.9789,
15.9120

127.4497,
114.5578, 240.6500

■ 1.3247, 0.5952,
9.3082

159.7379,
145.2695, 291.6612

■ 0.2016, 0.0000,
4.8432

197.0650,

■ 0.0000, 0.0000,

181.0312, 349.4152

2.0984

239.7963,
222.2273, 414.3304

■ 0.0000, 0.0000,
0.6148

■ 0.0000, 0.0000,
0.0000

■ 28.8034, 23.2961,
72.0857

■ 28.8034, 23.2961,
72.0857

■ 23.6633, 17.1321,
71.1673

■ 35.1846, 31.0193,
73.2406

■ 19.6807, 12.4186,
70.4674

■ 42.8777, 40.3953,
74.6449

■ 16.7658, 9.0372,
69.9684

■ 51.9515, 51.5135,
76.3126

■ 14.8146, 6.8493,
69.6489

■ 62.4691, 64.4558,
78.2564

■ 13.7013, 5.6852,
69.4829

■ 74.4897, 79.2991,
80.4879

■ 13.4236, 5.3970,
69.4419

■ 88.0694, 96.1161,
83.0182

■ 90.1849, 98.0540,
83.2807

Harmonies

Analogous

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



21.8816, 23.2961, 81.4307



28.8034, 23.2961, 72.0857



34.7984, 23.2961, 49.0827

Triad

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



28.8034, 23.2961, 72.0857



29.3469, 23.2961, 5.3000



11.7640, 23.2961, 24.6234

Complementary

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



28.8034, 23.2961, 72.0857



57.2428, 67.8949, 27.8580

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.



13.0004, 23.2961, 10.8678



28.8034, 23.2961, 72.0857



22.4050, 23.2961, 3.6665

Square

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



28.8034, 23.2961, 72.0857



35.1533, 23.2961, 11.6224



16.5964, 23.2961, 5.0405



12.8178, 23.2961, 47.0944

Rectangle

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



28.8034, 23.2961, 72.0857



36.9854, 23.2961, 33.0498



16.5964, 23.2961, 5.0405



11.9203, 23.2961, 18.9754

Sweetspot

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



28.8043, 23.2969, 72.0863



73.6149, 73.5852, 104.9312



45.2825, 57.9703, 77.9104



15.1262, 14.9759, 22.3433



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.



28.8043, 23.2969, 72.0863



32.7201, 23.8414, 97.4851



38.2161, 28.1489, 72.5267



13.0512, 13.2944, 17.2659



8.0096, 3.2244, 41.2486



0.5904, 0.2417, 2.8608

Inverse Universe

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



48.9785, 33.8181, 67.5634



63.6709, 39.9960, 89.9496



44.8632, 61.5130, 27.2786



14.2462, 13.9161, 17.0666



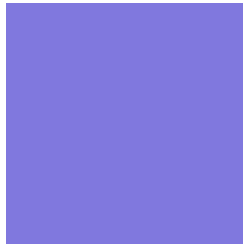
24.4278, 11.8381, 35.2480



1.7072, 0.8261, 2.5168

Previews

White Background



This preview shows how the XYZ color 28.8034, 23.2961, 72.0857 looks on a white background.

Color Contrast Check

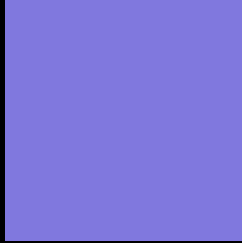
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8034, 23.2961, 72.0857 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 28.8034, 23.2961, 72.0857

Background



This preview shows how black text looks on a background with the XYZ color 28.8034, 23.2961, 72.0857.



This preview shows how white text looks on a background with the XYZ color 28.8034, 23.2961,

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

28.8034, 23.2961, 72.0857

Protanopia

26.2045, 23.4963, 78.7554

Deuteranopia

24.1542, 23.4260, 70.2664



Tritanopia

20.5976, 23.2806, 31.4250

Trichromacy



Original Color

28.8034, 23.2961, 72.0857

Protanomaly

26.9439, 23.3479, 76.4853

Deuteranomaly

25.3568, 23.0385, 70.8206

Tritanomaly

23.0566, 23.0407, 43.7895

Monochromacy



Original Color

28.8034, 23.2961, 72.0857

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.2489, 23.3592, 39.3071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8034, 23.2961, 72.0857 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(128, 120, 222)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 222)  
}
```

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(128, 120, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 222) }
```

Border

The CSS property to change the border of an element to XYZ 28.8034, 23.2961, 72.0857 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(128, 120, 222) }
```


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

```
.border{ border-color:rgb(128, 120, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 222);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8034, 23.2961, 72.0857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 222) }
```

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

```
.background{ background-color: rgb(128,  
120, 222) }
```

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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