

Converting Colors

XYZ(28.7393, 23.0123, 65.8803)

Have a look what the booklet for
XYZ(28.7393, 23.0123, 65.8803)
contains.

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Color

**XYZ(28.8052, 23.0793,
65.8873)**

Conversions

Conversions Part 1

Format	Color
Hex	8976D5
RGB	137, 118, 213
RGB Percent	54%, 46%, 84%
CMY	0.4627, 0.5372, 0.1647
CMYK	0.36, 0.45, 0.00, 0.16
HSL	252°, 53%, 65%
HSV	252°, 45%, 84%
XYZ	28.8052, 23.0793, 65.8873
YIQ	134.5110, -19.1710, 33.5730

Conversions

Conversions Part 2

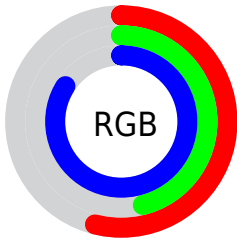
Format	Color
R_{YB}	137, 118, 213
Decimal	9008853
CIE _{Lab}	55.15, 29.15, -46.49
CIE _{LCh}	55, 54.871, 302.094
Yxy	23.0793, 0.2446, 0.1960
Android (android.graphics.Color)	4287198933 (0xFF8976D5)
YUV	134.5110, 38.6951, 2.1829
Hunter-Lab	48.0409, 22.9565, -47.6866

Details

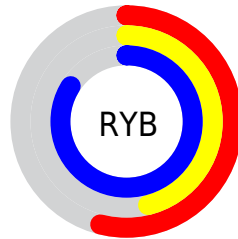
The XYZ color **28.8052, 23.0793, 65.8873** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **49.3125, 60.3661, 26.1930**, and the grayscale version is **22.7157, 23.8987, 26.0257**.

A 20% lighter version of the original color is **54.4170, 47.3069, 100.8708**, and **11.8670, 8.5639, 33.3753** is the 20% darker color. If you saturate the color by 10%, you get **23.9982, 17.2890, 65.0235**, and if you desaturate by 10%, it is **34.6214, 30.2313, 66.9617**.

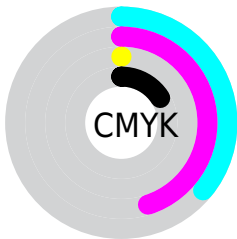
Distribution



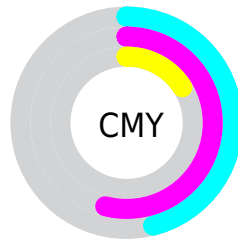
- Red (54%)
- Green (46%)
- Blue (84%)



- Red (54%)
- Yellow (46%)
- Blue (84%)



- Cyan (36%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)



- Cyan (46%)
- Magenta (54%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8052, 23.0793, 65.8873 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 28.8052, 23.0793, 65.8873 by changing the saturation by 10% instead.

■ 28.8052, 23.0793,
65.8873

■ 28.8052, 23.0793,
65.8873

288.3055,
268.1320, 464.3669

■ 19.0770, 14.6521,
47.7250

■ 57.1671, 48.5235,
114.9500

■ 11.8303, 8.5756,
33.2507

■ 76.5317, 66.3093,
146.6875

■ 6.6996, 4.4654,
22.0459

■ 99.8390, 87.9833,
183.7872

■ 3.3196, 1.9372,
13.6920

127.4545,
113.9301, 226.6676

■ 1.3249, 0.5706,
7.7705

159.7436,
144.5340, 275.7472

■ 0.2018, 0.0000,
3.8628

197.0715,

■ 0.0000, 0.0000,

180.1793, 331.4446

1.5504

239.8037,
221.2505, 394.1783

■ 0.0000, 0.0000,
0.2550

■ 0.0000, 0.0000,
0.0000

■ 28.8052, 23.0793,
65.8873

■ 28.8052, 23.0793,
65.8873

■ 23.9982, 17.2890,
65.0235

■ 34.6214, 30.2313,
66.9617

■ 20.1386, 12.7701,
64.3546

■ 41.4984, 38.8223,
68.2574

■ 17.1614, 9.4249,
63.8659

■ 49.4875, 48.9269,
69.7868

■ 14.9919, 7.1404,
63.5393

■ 58.6357, 60.6138,
71.5604

■ 13.5420, 5.7801,
63.3531

■ 68.9873, 73.9474,
73.5884

■ 12.9901, 5.3092,
63.2913

■ 80.5842, 88.9883,
75.8804

■ 89.0103, 97.5841,
77.0955

Harmonies

Analogous

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



22.3692, 23.0793, 76.1320



28.8052, 23.0793, 65.8873



34.0726, 23.0793, 44.4450

Triad

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



28.8052, 23.0793, 65.8873



27.9209, 23.0793, 5.5575



12.1485, 23.0793, 26.3817

Complementary

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



28.8052, 23.0793, 65.8873



49.3125, 60.3661, 26.1930

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.



13.0898, 23.0793, 12.4211



28.8052, 23.0793, 65.8873



21.5088, 23.0793, 4.2502

Square

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



28.8052, 23.0793, 65.8873



33.4989, 23.0793, 11.1342



16.2564, 23.0793, 6.0203



13.3971, 23.0793, 47.6395

Rectangle

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



28.8052, 23.0793, 65.8873



35.7868, 23.0793, 30.0587



16.2564, 23.0793, 6.0203



12.2188, 23.0793, 20.7709

Sweetspot

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



28.8061, 23.0801, 65.8879



76.2791, 75.9556, 105.2483



38.7738, 47.2398, 70.0258



15.7098, 15.4729, 22.4085



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.



28.8061, 23.0801, 65.8879



36.0956, 26.0180, 97.7273



38.3764, 28.0138, 66.3357



11.9723, 12.1271, 15.6473



8.0018, 3.2776, 38.6641



0.5510, 0.2330, 2.3352

Inverse Universe

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



43.6569, 30.9986, 54.7208



61.5647, 39.6240, 77.4079



39.0080, 55.0539, 25.7107



12.8416, 12.5881, 15.1062



21.2541, 10.4380, 24.4401



1.3096, 0.6406, 1.6199

Previews

White Background



This preview shows how the XYZ color 28.8052, 23.0793, 65.8873 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 28.8052, 23.0793, 65.8873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

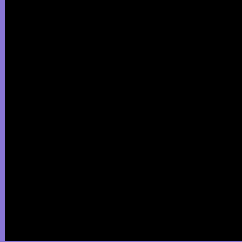
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8052, 23.0793, 65.8873

Background



This preview shows how black text looks on a background with the XYZ color 28.8052, 23.0793, 65.8873.



This preview shows how white text looks on a background with the XYZ color 28.8052, 23.0793,

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

28.8052, 23.0793, 65.8873

Protanopia

25.5832, 23.3035, 72.9617

Deuteranopia

23.9086, 23.2304, 64.1966



Tritanopia

21.5852, 23.2014, 29.7262

Trichromacy



Original Color

28.8052, 23.0793, 65.8873

Protanomaly

26.3041, 22.9698, 70.0651

Deuteranomaly

25.2911, 22.9461, 64.7241

Tritanomaly

23.6330, 22.8149, 40.6942

Monochromacy



Original Color

28.8052, 23.0793, 65.8873

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.6145, 23.5791, 37.9042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8052, 23.0793, 65.8873 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(137, 118, 213)` looks like.

```
.text, #text, p{  
    color:rgb(137, 118, 213)  
}
```

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(137, 118, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 118, 213) }
```

Border

The CSS property to change the border of an element to XYZ 28.8052, 23.0793, 65.8873 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(137, 118, 213) }
```


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

```
.border{ border-color:rgb(137, 118, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 118, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 118, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 118, 213);  
box-shadow:4px 4px 4px 4px rgb(137, 118,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8052, 23.0793, 65.8873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 118, 213) }
```

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

```
.background{ background-color: rgb(137,  
118, 213) }
```

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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