

Converting Colors

XYZ(28.6378, 23.1339, 57.7106)

Have a look what the booklet for
XYZ(28.6378, 23.1339, 57.7106)
contains.

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Color

**XYZ(28.5808, 23.1467,
57.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	9176C8
RGB	145, 118, 200
RGB Percent	57%, 46%, 78%
CMY	0.4314, 0.5372, 0.2157
CMYK	0.27, 0.41, 0.00, 0.22
HSL	260°, 43%, 62%
HSV	260°, 41%, 78%
XYZ	28.5808, 23.1467, 57.6050
YIQ	135.4210, -10.2300, 31.2260

Conversions

Conversions Part 2

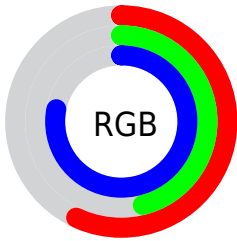
Format	Color
R_{YB}	145, 118, 200
Decimal	9533128
CIE _{Lab}	55.22, 27.98, -38.96
CIE _{LCh}	55, 47.966, 305.687
Yxy	23.1467, 0.2614, 0.2117
Android (android.graphics.Color)	4287723208 (0xFF9176C8)
YUV	135.4210, 31.8374, 8.4008
Hunter-Lab	48.1110, 21.8453, -37.3123

Details

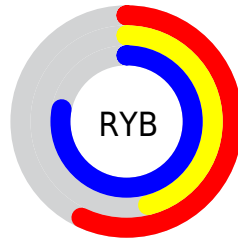
The XYZ color **28.5808, 23.1467, 57.6050** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **41.1583, 51.5013, 24.9118**, and the grayscale version is **23.0742, 24.2759, 26.4364**.

A 20% lighter version of the original color is **56.2441, 48.2488, 100.9563**, and **11.7301, 8.6069, 28.2372** is the 20% darker color. If you saturate the color by 10%, you get **24.2447, 17.7784, 56.7978**, and if you desaturate by 10%, it is **33.6970, 29.6593, 58.5928**.

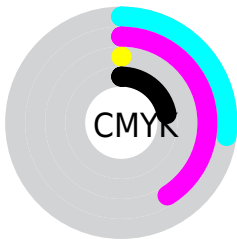
Distribution



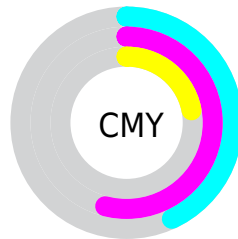
- Red (57%)
- Green (46%)
- Blue (78%)



- Red (57%)
- Yellow (46%)
- Blue (78%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



- Cyan (43%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5808, 23.1467, 57.6050 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 28.5808, 23.1467, 57.6050 by changing the saturation by 10% instead.

■ 28.5808, 23.1467,
57.6050

■ 28.5808, 23.1467,
57.6050

287.2619,
268.4776, 433.2695

■ 18.9066, 14.7019,
41.0786

■ 56.8126, 48.6341,
102.8565

■ 11.7064, 8.6104,
28.0603

■ 76.1009, 66.4454,
132.4187

■ 6.6149, 4.4880,
18.1317

■ 99.3246, 88.1478,
167.1632

■ 3.2666, 1.9501,
10.8742

126.8491,
114.1254, 207.5085

■ 1.2963, 0.5782,
5.8692

159.0397,
144.7629, 253.8733

■ 0.1804, 0.0000,
2.6982

196.2618,

■ 0.0000, 0.0000,

180.4444, 306.6761

0.9425

238.8808,
221.5545, 366.3353

■ 0.0000, 0.0000,
0.0000

■ 28.5808, 23.1467,
57.6050

■ 28.5808, 23.1467,
57.6050

■ 24.2447, 17.7784,
56.7978

■ 33.6970, 29.6593,
58.5928

■ 20.6448, 13.4830,
56.1584

■ 39.6290, 37.3764,
59.7697

■ 17.7360, 10.1852,
55.6752

■ 46.4134, 46.3570,
61.1456

■ 15.4670, 7.7982,
55.3340

■ 54.0834, 56.6554,
62.7291

■ 13.7779, 6.2196,
55.1183

■ 62.6706, 68.3227,
64.5285

■ 12.6625, 5.3234,
55.0042

■ 72.2050, 81.4073,
66.5516

■ 81.7497, 94.0242,
68.4838

■ 86.4458, 96.4452,
68.7036

■ 87.4254, 96.9502,
68.7495

Harmonies

Analogous

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



23.0380, 23.1467, 67.4929



28.5808, 23.1467, 57.6050



32.7993, 23.1467, 39.4226

Triad

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



28.5808, 23.1467, 57.6050



26.5250, 23.1467, 6.7326



13.2516, 23.1467, 28.2440

Complementary

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



28.5808, 23.1467, 57.6050



41.1583, 51.5013, 24.9118

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.



13.8773, 23.1467, 14.8940



28.5808, 23.1467, 57.6050



20.9941, 23.1467, 5.7577

Square

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



28.5808, 23.1467, 57.6050



31.4838, 23.1467, 11.6021



16.5163, 23.1467, 8.0209



14.6425, 23.1467, 46.6549

Rectangle

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



28.5808, 23.1467, 57.6050



33.9684, 23.1467, 27.4898



16.5163, 23.1467, 8.0209



13.2362, 23.1467, 23.0463

Sweetspot

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



28.5816, 23.1476, 57.6055



78.9014, 78.3197, 105.5664



33.0397, 38.3074, 60.2967



16.5415, 16.3026, 22.5248



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.



28.5816, 23.1476, 57.6055



42.8760, 31.8782, 98.5010



36.9039, 27.4379, 57.9950



10.3802, 10.4543, 13.3883



8.1361, 3.4286, 34.9773



0.4621, 0.2020, 1.6598

Inverse Universe

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



37.8412, 28.2541, 42.9946



61.3486, 42.0863, 68.4126



33.6031, 47.6064, 24.5582



10.9288, 10.7549, 12.6086



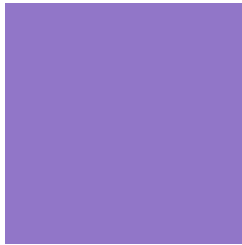
17.9305, 8.9218, 15.3758



0.8814, 0.4354, 0.8987

Previews

White Background



This preview shows how the XYZ color 28.5808, 23.1467, 57.6050 looks on a white background.

Color Contrast Check

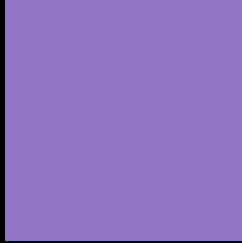
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5808, 23.1467, 57.6050 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 28.5808, 23.1467, 57.6050

Background



This preview shows how black text looks on a background with the XYZ color 28.5808, 23.1467, 57.6050.



This preview shows how white text looks on a background with the XYZ color 28.5808, 23.1467,

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

28.5808, 23.1467, 57.6050

Protanopia

25.0950, 23.4432, 64.1751

Deuteranopia

23.9228, 23.4173, 56.0824



Tritanopia

22.7555, 23.2240, 28.4826

Trichromacy



Original Color

28.5808, 23.1467, 57.6050

Protanomaly

26.0726, 23.2295, 61.5021

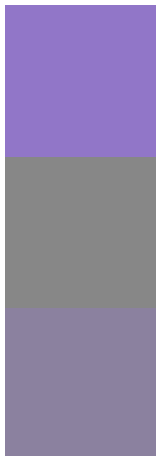
Deuteranomaly

25.2536, 23.1075, 56.5553

Tritanomaly

24.4637, 22.9336, 37.3197

Monochromacy



Original Color

28.5808, 23.1467, 57.6050

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.7557, 23.6927, 36.0693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5808, 23.1467, 57.6050 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(145, 118, 200)` looks like.

```
.text, #text, p{  
    color:rgb(145, 118, 200)  
}
```

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(145, 118, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 118, 200) }
```

Border

The CSS property to change the border of an element to XYZ 28.5808, 23.1467, 57.6050 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(145, 118, 200) }
```


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

```
.border{ border-color:rgb(145, 118, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 118, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 118, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 118, 200);  
box-shadow:4px 4px 4px 4px rgb(145, 118,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5808, 23.1467, 57.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 118, 200) }
```

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

```
.background{ background-color: rgb(145,  
118, 200) }
```

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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