

Converting Colors

XYZ(28.7848, 27.7801, 51.3631)

Have a look what the booklet for
XYZ(28.7848, 27.7801, 51.3631)
contains.

XYZ(28.7717, 27.7054, 51.4082)	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(28.7717, 27.7054,
51.4082)**

Conversions

Conversions Part 1

Format	Color
Hex	898CBC
RGB	137, 140, 188
RGB Percent	54%, 55%, 74%
CMY	0.4627, 0.4510, 0.2627
CMYK	0.27, 0.26, 0.00, 0.26
HSL	236°, 28%, 64%
HSV	236°, 27%, 74%
XYZ	28.7717, 27.7054, 51.4082
YIQ	144.5750, -17.1960, 14.2920

Conversions

Conversions Part 2

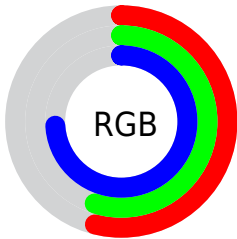
Format	Color
R _Y B	137, 140, 188
Decimal	9014460
CIE Lab	59.62, 9.77, -25.35
CIE LCh	60, 27.169, 291.067
Yxy	27.7054, 0.2667, 0.2568
Android (android.graphics.Color)	4287204540 (0xFF898CBC)
YUV	144.5750, 21.4085, -6.6433
Hunter-Lab	52.6359, 5.4583, -21.0619

Details

The XYZ color **28.7717, 27.7054, 51.4082** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.6037, 47.1956, 30.5319**, and the grayscale version is **26.6632, 28.0517, 30.5484**.

A 20% lighter version of the original color is **56.8850, 55.7479, 93.3502**, and **11.8671, 11.0400, 24.4271** is the 20% darker color. If you saturate the color by 10%, you get **23.5735, 21.4917, 50.4833**, and if you desaturate by 10%, it is **34.9245, 35.0295, 52.4981**.

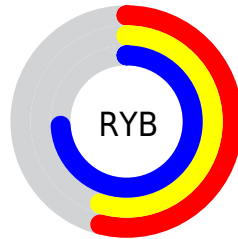
Distribution



Red (54%)

Green (55%)

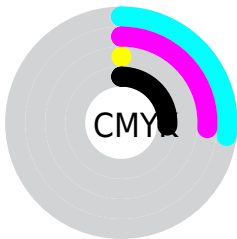
Blue (74%)



Red (54%)

Yellow (55%)

Blue (74%)

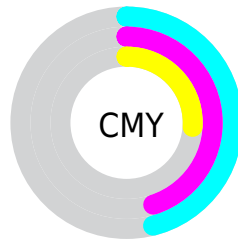


Cyan (27%)

Magenta (26%)

Yellow (0%)

Black (26%)



Cyan (46%)

Magenta (45%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7717, 27.7054, 51.4082 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 28.7717, 27.7054, 51.4082 by changing the saturation by 10% instead.

■ 28.7717, 27.7054,
51.4082

■ 28.7717, 27.7054,
51.4082

288.1499,
291.0565, 409.0394

■ 19.0516, 18.1037,
36.1546

■ 57.1142, 56.0138,
93.6755

■ 11.8118, 11.0245,
24.2630

■ 76.4674, 75.4892,
121.5264

■ 6.6869, 6.0833,
15.3148

■ 99.7623, 99.0247,
154.4133

■ 3.3117, 2.8958,
8.8916

127.3642,
127.0046, 192.7550

■ 1.3206, 1.0776,
4.5747

159.6386,
159.8134, 236.9699

■ 0.1986, 0.0000,
1.9456

196.9508,

■ 0.0000, 0.0000,

197.8353, 287.4766

0.5215

239.6661,
241.4549, 344.6936

■ 0.0000, 0.0000,
0.0000

■ 28.7717, 27.7054,
51.4082

■ 28.7717, 27.7054,
51.4082

■ 23.5735, 21.4917,
50.4833

■ 34.9245, 35.0295,
52.4981

■ 19.2793, 16.3312,
49.7135

■ 42.0734, 43.5112,
53.7584

■ 15.8384, 12.1664,
49.0910

■ 50.2609, 53.1986,
55.1968

■ 13.1936, 8.9329,
48.6063

■ 59.5263, 64.1366,
56.8197

■ 11.2808, 6.5591,
48.2489

■ 69.9065, 76.3673,
58.6333

■ 10.0262, 4.9625,
48.0068

■ 81.4372, 89.9311,
60.6437

■ 9.3323, 4.0407,
47.8655

■ 86.0772, 96.4109,
61.6498

■ 9.1976, 3.8717,
47.8400

Harmonies

Analogous

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



25.3238, 27.7054, 52.8942



28.7717, 27.7054, 51.4082



31.7946, 27.7054, 43.6370

Triad

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



28.7717, 27.7054, 51.4082



30.6917, 27.7054, 17.7463



20.3492, 27.7054, 27.3318

Complementary

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



28.7717, 27.7054, 51.4082



42.6037, 47.1956, 30.5319

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.



21.5359, 27.7054, 19.7997



28.7717, 27.7054, 51.4082



27.3690, 27.7054, 15.1087

Square

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



28.7717, 27.7054, 51.4082



32.9682, 27.7054, 23.8828



24.0364, 27.7054, 15.7687



20.6540, 27.7054, 37.4656

Rectangle

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



28.7717, 27.7054, 51.4082



33.0657, 27.7054, 36.7085



24.0364, 27.7054, 15.7687



20.5828, 27.7054, 24.4519

Sweetspot

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



28.7726, 27.7065, 51.4088



74.8663, 77.2159, 97.1845



37.0152, 44.7713, 52.3692



15.6594, 16.0831, 20.8216



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.7726, 27.7065, 51.4088



45.9092, 42.7648, 92.0610



32.3414, 28.9041, 51.4519



9.0604, 9.3131, 11.9923



6.2811, 2.6740, 32.5780



0.2616, 0.1359, 1.2813

Inverse Universe

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



34.4191, 30.4770, 28.8807



58.0046, 48.7891, 43.7828



38.2041, 45.8693, 30.5078



9.5523, 9.5452, 10.0315



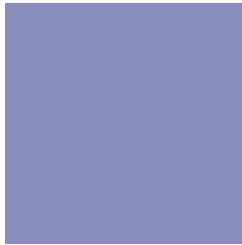
14.1712, 7.2996, 0.9292



0.5630, 0.2891, 0.0778

Previews

White Background



This preview shows how the XYZ color 28.7717, 27.7054, 51.4082 looks on a white background.

Color Contrast Check

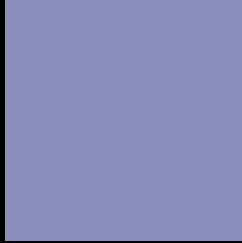
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7717, 27.7054, 51.4082 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 28.7717, 27.7054, 51.4082

Background



This preview shows how black text looks on a background with the XYZ color 28.7717, 27.7054, 51.4082.



This preview shows how white text looks on a background with the XYZ color 28.7717, 27.7054,

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

28.7717, 27.7054, 51.4082

Protanopia

28.0642, 27.7660, 52.0243

Deuteranopia

28.2748, 27.6671, 51.4270



Tritanopia

25.7248, 27.8174, 35.9117

Trichromacy



Original Color

28.7717, 27.7054, 51.4082

Protanomaly

28.3831, 27.7104, 51.9968

Deuteranomaly

28.4335, 27.7489, 51.4344

Tritanomaly

26.7140, 27.7602, 40.9961

Monochromacy



Original Color

28.7717, 27.7054, 51.4082

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.4108, 27.9689, 37.6720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7717, 27.7054, 51.4082 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, 140, 188)` looks like.

```
.text, #text, p{  
    color:rgb(137, 140, 188)  
}
```

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, 140, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 140, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.7717, 27.7054, 51.4082 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, 140, 188) }
```


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

```
.border{ border-color:rgb(137, 140, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 140, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 140, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 140, 188);  
box-shadow:4px 4px 4px 4px rgb(137, 140,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7717, 27.7054, 51.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 140, 188) }
```

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

```
.background{ background-color: rgb(137,  
140, 188) }
```

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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