

Converting Colors

XYZ(28.8208, 40.8527, 23.8191)

Have a look what the booklet for
XYZ(28.8208, 40.8527, 23.8191)
contains.

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Color

**XYZ(28.8458, 40.8656,
23.8203)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78BB77 |
| RGB | 120, 187, 119 |
| RGB Percent | 47%, 73%, 47% |
| CMY | 0.5294, 0.2667, 0.5333 |
| CMYK | 0.36, 0.00, 0.36, 0.27 |
| HSL | 119°, 33%, 60% |
| HSV | 119°, 36%, 73% |
| XYZ | 28.8458, 40.8656, 23.8203 |
| YIQ | 159.2150, -18.1040, -35.3520 |

Conversions

Conversions Part 2

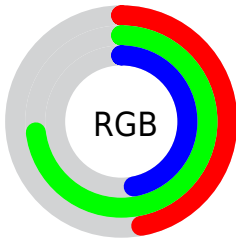
| Format | Color |
|-------------------------------------|--|
| RYB | 119, 187, 186 |
| Decimal | 7912311 |
| CIELab | 70.08, -35.03, 27.91 |
| CIElCh | 70, 44.788, 141.460 |
| Yxy | 40.8656, 0.3084, 0.4369 |
| Android (android.graphics.Color) | 4286102391 (0xFF78BB77) |
| YUV | 159.2150, -19.8260, -34.3916 |
| Hunter-Lab | 63.9262, -31.3253, 22.6556 |

Details

The XYZ color **28.8458, 40.8656, 23.8203** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8181, 27.2219, 50.3824**, and the grayscale version is **33.1477, 34.8740, 37.9778**.

A 20% lighter version of the original color is **57.4763, 76.7939, 50.8231**, and **11.8078, 18.4105, 8.7256** is the 20% darker color. If you saturate the color by 10%, you get **25.5174, 39.2682, 18.3679**, and if you desaturate by 10%, it is **32.8890, 42.8083, 30.4614**.

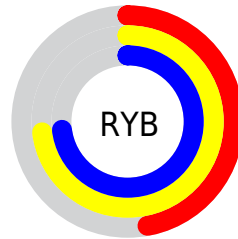
Distribution



Red (47%)

Green (73%)

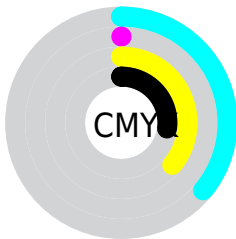
Blue (47%)



Red (47%)

Yellow (73%)

Blue (73%)

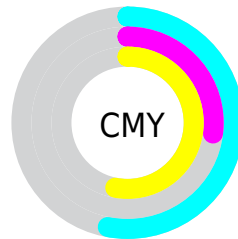


Cyan (36%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (53%)

Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8458, 40.8656, 23.8203 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 28.8458, 40.8656, 23.8203 by changing the saturation by 10% instead.

■ 28.8458, 40.8656,
23.8203

■ 28.8458, 40.8656,
23.8203

288.4940,
349.7586, 285.1680

■ 19.1079, 28.2141,
14.9894

■ 57.2313, 76.4798,
50.6769

■ 11.8527, 18.4871,
8.6654

■ 76.6095, 100.2113,
69.5398

■ 6.7150, 11.3003,
4.4298

■ 99.9320, 128.4049,
92.5837

■ 3.3292, 6.2692,
1.8640

127.5639,
161.4451, 120.2272

■ 1.3302, 3.0094,
0.4697

159.8707,
199.7161, 152.8888

■ 0.2056, 1.1367,
0.0000

197.2178,

■ 0.0000, 0.0090,

243.6024, 190.9871

0.0000

239.9705,
293.4885, 234.9407

■ 0.0000, 0.0000,
0.0000

■ 28.8458, 40.8656,
23.8203

■ 28.8458, 40.8656,
23.8203

■ 25.5174, 39.2682,
18.3679

■ 32.8890, 42.8083,
30.4614

■ 22.8594, 37.9912,
14.0315

■ 37.6819, 45.1095,
38.3526

■ 20.8273, 37.0144,
10.7349


■ 43.2608, 47.7876,
47.5544


■ 19.3697, 36.3134,
8.3910


■ 49.6588, 50.8586,
58.1227

■ 18.4274, 35.8597,
6.8986


■ 56.9072, 54.3375,
70.1100

 17.9266, 35.6181,
6.1254

 65.0354, 58.2383,
83.5661

 17.8055, 35.5600,
5.9253

 74.0717, 62.5746,
98.5383

 77.0611, 64.0222,
102.9037

Harmonies

Analogous

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



33.9195, 40.8656, 16.5489



28.8458, 40.8656, 23.8203



26.5262, 40.8656, 38.7777

Triad

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



28.8458, 40.8656, 23.8203



36.7900, 40.8656, 97.4030



53.4577, 40.8656, 31.3253

Complementary

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



28.8458, 40.8656, 23.8203



35.8181, 27.2219, 50.3824

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.



54.4777, 40.8656, 50.7498



28.8458, 40.8656, 23.8203



44.2181, 40.8656, 93.5011

Square

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



28.8458, 40.8656, 23.8203



30.7203, 40.8656, 84.0263



50.9147, 40.8656, 74.6094



48.2809, 40.8656, 19.8395

Rectangle

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



28.8458, 40.8656, 23.8203



26.6228, 40.8656, 52.9887



50.9147, 40.8656, 74.6094



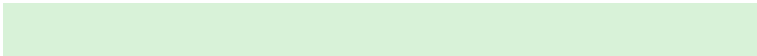
54.3219, 40.8656, 36.9624

Sweetspot

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



28.8468, 40.8673, 23.8212



72.4870, 83.1885, 76.9332



41.3560, 46.9605, 24.3380



15.6657, 18.1769, 16.4519



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.



28.8468, 40.8673, 23.8212



46.5999, 70.7585, 34.3678



31.0360, 41.7271, 36.0681



9.4214, 10.6561, 10.1369



12.2730, 24.5028, 4.0827



0.4852, 0.9621, 0.1601

Inverse Universe

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



35.8181, 27.2219, 50.3824



60.9890, 42.5839, 89.2064



32.9356, 26.0971, 33.9327



9.9157, 9.6890, 12.0197



19.8476, 9.5179, 33.1840



0.7819, 0.3751, 1.3001

Previews

White Background



This preview shows how the XYZ color 28.8458, 40.8656, 23.8203 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.8458, 40.8656, 23.8203 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 ✓ Pass

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

XYZ 28.8458, 40.8656, 23.8203

Background



This preview shows how black text looks on a background with the XYZ color 28.8458, 40.8656, 23.8203.



This preview shows how white text looks on a background with the XYZ color 28.8458, 40.8656,

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

28.8458, 40.8656, 23.8203

Protanopia

37.3069, 40.2336, 21.1288

Deuteranopia

41.0924, 40.2062, 24.6635



Tritanopia

35.2663, 40.7149, 55.8692

Trichromacy



Original Color

28.8458, 40.8656, 23.8203

Protanomaly

33.3178, 39.8655, 22.1584

Deuteranomaly

35.2786, 39.6808, 24.2121

Tritanomaly

32.3687, 40.4315, 41.6954

Monochromacy



Original Color

28.8458, 40.8656, 23.8203

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.8991, 36.4093, 31.7847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8458, 40.8656, 23.8203 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(120, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 187, 119)  
}
```

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(120, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 187, 119) }
```

Border

The CSS property to change the border of an element to XYZ 28.8458, 40.8656, 23.8203 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(120, 187, 119) }
```


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

```
.border{ border-color:rgb(120, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 187,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8458, 40.8656, 23.8203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 187, 119) }
```

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

```
.background{ background-color: rgb(120,  
187, 119) }
```

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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