

Converting Colors

XYZ(28.4312, 38.1939, 23.4503)

Have a look what the booklet for
XYZ(28.4312, 38.1939, 23.4503)
contains.

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Color

**XYZ(28.3520, 38.1613,
23.3243)**

Conversions

Conversions Part 1

Format	Color
Hex	80B377
RGB	128, 179, 119
RGB Percent	50%, 70%, 47%
CMY	0.4980, 0.2980, 0.5333
CMYK	0.28, 0.00, 0.34, 0.30
HSL	111°, 28%, 58%
HSV	111°, 34%, 70%
XYZ	28.3520, 38.1613, 23.3243
YIQ	156.9110, -11.1360, -29.4720

Conversions

Conversions Part 2

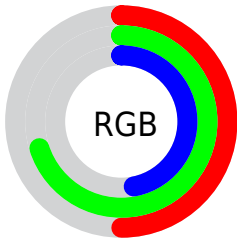
Format	Color
RYB	119, 179, 170
Decimal	8434551
CIELab	68.14, -28.59, 25.40
CIELCh	68, 38.242, 138.381
Yxy	38.1613, 0.3156, 0.4248
Android (android.graphics.Color)	4286624631 (0xFF80B377)
YUV	156.9110, -18.6901, -25.3549
Hunter-Lab	61.7748, -26.1821, 20.8563

Details

The XYZ color **28.3520, 38.1613, 23.3243** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.3126, 24.9954, 45.8241**, and the grayscale version is **32.0936, 33.7650, 36.7701**.

A 20% lighter version of the original color is **56.4461, 72.3403, 50.0178**, and **11.6269, 16.9417, 8.4516** is the 20% darker color. If you saturate the color by 10%, you get **25.2573, 36.6798, 18.0867**, and if you desaturate by 10%, it is **31.9944, 39.9040, 29.6461**.

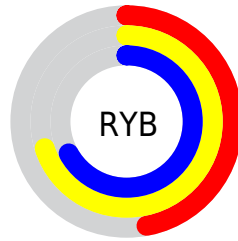
Distribution



Red (50%)

Green (70%)

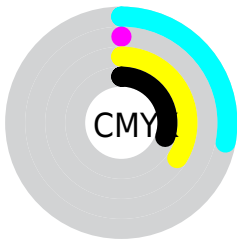
Blue (47%)



Red (47%)

Yellow (70%)

Blue (67%)

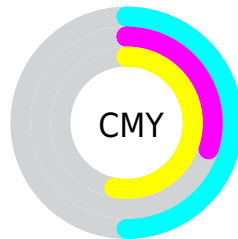


Cyan (28%)

Magenta (0%)

Yellow (34%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3520, 38.1613, 23.3243 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 28.3520, 38.1613, 23.3243 by changing the saturation by 10% instead.


 28.3520, 38.1613,
23.3243


 28.3520, 38.1613,
23.3243


286.1948,
338.3114, 282.5620


 18.7330, 26.1079,
14.6256


 56.4507, 72.3553,
49.8552

 11.5804, 16.9044,
8.4134

 75.6610, 95.2647,
68.5245

 6.5288, 10.1663,
4.2690


 98.7992, 122.5615,
91.3544

 3.2129, 5.5094,
1.7741

126.2305,
154.6302, 118.7635

 1.2673, 2.5491,
0.4108

158.3204,
191.8552, 151.1702

 0.1585, 0.9012,
0.0000

195.4342,

 0.0000, 0.0000,

234.6208, 188.9932

0.0000

237.9372,
283.3114, 232.6510

■ 28.3520, 38.1613,
23.3243

■ 28.3520, 38.1613,
23.3243

■ 25.2573, 36.6798,
18.0867

■ 31.9944, 39.9040,
29.6461

■ 22.6807, 35.4421,
13.8700

■ 36.2064, 41.9146,
37.1055

■ 20.5943, 34.4366,
10.6083


■ 41.0122, 44.2056,
45.7556


■ 18.9663, 33.6484,
8.2270


■ 46.4336, 46.7872,
55.6451


■ 17.7611, 33.0609,
6.6404


■ 52.4916, 49.6691,
66.8204


 16.9373, 32.6552,
5.7455

 59.2060, 52.8607,
79.3251

 16.5688, 32.4726,
5.3946

 66.5957, 56.3708,
93.2011

 73.4971, 59.7351,
102.2641

 75.4108, 60.7217,
102.3536

Harmonies

Analogous

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



32.7721, 38.1613, 17.5179



28.3520, 38.1613, 23.3243



26.1533, 38.1613, 35.2780

Triad

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



28.3520, 38.1613, 23.3243



34.0090, 38.1613, 82.7644



48.2856, 38.1613, 32.0269

Complementary

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



28.3520, 38.1613, 23.3243



31.3126, 24.9954, 45.8241

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.



48.7107, 38.1613, 48.5272



28.3520, 38.1613, 23.3243



40.0108, 38.1613, 81.1866

Square

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



28.3520, 38.1613, 23.3243



29.1717, 38.1613, 71.2758



45.5426, 38.1613, 67.4206



44.4380, 38.1613, 21.5088

Rectangle

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



28.3520, 38.1613, 23.3243



26.0628, 38.1613, 46.5269



45.5426, 38.1613, 67.4206



48.8479, 38.1613, 36.9435

Sweetspot

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



28.3530, 38.1629, 23.3251



67.6054, 76.3826, 71.4012



36.2965, 39.6668, 23.1968



14.7209, 16.8000, 15.3578



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.3530, 38.1629, 23.3251



46.7132, 66.3992, 34.8686



28.4626, 38.0573, 30.6575



8.5037, 9.5492, 9.0475



11.7434, 22.9640, 3.8136



0.4063, 0.7415, 0.1217

Inverse Universe

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



31.3126, 24.9954, 45.8241



52.7904, 39.2862, 81.1818



31.3601, 25.2469, 35.5694



8.7223, 8.5809, 10.7029



14.9637, 7.0499, 30.7091



0.5047, 0.2393, 0.9678

Previews

White Background



This preview shows how the XYZ color 28.3520, 38.1613, 23.3243 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 28.3520, 38.1613, 23.3243 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 28.3520, 38.1613, 23.3243

Background



This preview shows how black text looks on a background with the XYZ color 28.3520, 38.1613, 23.3243.



This preview shows how white text looks on a background with the XYZ color 28.3520, 38.1613,

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

28.3520, 38.1613, 23.3243

Protanopia

35.0262, 37.6862, 21.0509

Deuteranopia

38.4790, 37.8284, 24.0124



Tritanopia

33.8621, 38.0755, 50.9120

Trichromacy



Original Color

28.3520, 38.1613, 23.3243

Protanomaly

31.9664, 37.4608, 21.7655

Deuteranomaly

33.9437, 37.3355, 23.8298

Tritanomaly

31.4729, 37.9611, 38.9261

Monochromacy



Original Color

28.3520, 38.1613, 23.3243

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.2671, 35.0044, 31.1479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3520, 38.1613, 23.3243 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, 179, 119)` looks like.

```
.text, #text, p{  
    color:rgb(128, 179, 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(128, 179, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 179, 119) }
```

Border

The CSS property to change the border of an element to XYZ 28.3520, 38.1613, 23.3243 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, 179, 119) }
```


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

```
.border{ border-color:rgb(128, 179, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 179, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 179, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 179, 119);  
box-shadow:4px 4px 4px 4px rgb(128, 179,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3520, 38.1613, 23.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 179, 119) }
```

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

```
.background{ background-color: rgb(128,  
179, 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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