

Converting Colors

XYZ(28.7460, 38.3839, 23.0936)

Have a look what the booklet for
XYZ(28.7460, 38.3839, 23.0936)
contains.

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Color

**XYZ(28.7502, 38.3735,
23.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	83B376
RGB	131, 179, 118
RGB Percent	51%, 70%, 46%
CMY	0.4863, 0.2980, 0.5372
CMYK	0.27, 0.00, 0.34, 0.30
HSL	107°, 29%, 58%
HSV	107°, 34%, 70%
XYZ	28.7502, 38.3735, 23.0311
YIQ	157.6940, -9.0270, -29.1470

Conversions

Conversions Part 2

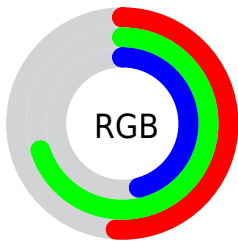
Format	Color
RYB	118, 179, 166
Decimal	8631158
CIELab	68.29, -27.70, 26.17
CIELCh	68, 38.110, 136.628
Yxy	38.3735, 0.3189, 0.4256
Android (android.graphics.Color)	4286821238 (0xFF83B376)
YUV	157.6940, -19.5691, -23.4106
Hunter-Lab	61.9463, -25.5617, 21.3189

Details

The XYZ color **28.7502, 38.3735, 23.0311** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.3427, 24.3197, 45.7448**, and the grayscale version is **32.4503, 34.1403, 37.1788**.

A 20% lighter version of the original color is **57.0666, 72.6712, 49.5473**, and **11.8433, 17.0569, 8.2983** is the 20% darker color. If you saturate the color by 10%, you get **25.7507, 36.9398, 17.8553**, and if you desaturate by 10%, it is **32.2502, 40.0442, 29.2857**.

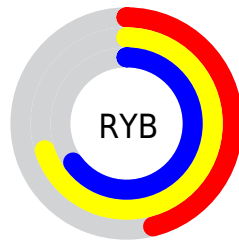
Distribution



Red (51%)

Green (70%)

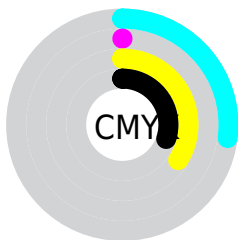
Blue (46%)



Red (46%)

Yellow (70%)

Blue (65%)

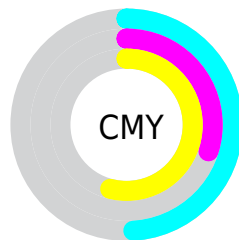


Cyan (27%)

Magenta (0%)

Yellow (34%)

Black (30%)



Cyan (49%)

Magenta (30%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7502, 38.3735, 23.0311 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 28.7502, 38.3735, 23.0311 by changing the saturation by 10% instead.

■ 28.7502, 38.3735,
23.0311

■ 28.7502, 38.3735,
23.0311

288.0500,
339.2195, 281.0118

■ 19.0353, 26.2727,
14.4110

■ 57.0803, 72.6803,
49.3682

■ 11.7999, 17.0278,
8.2650

■ 76.4261, 95.6550,
67.9223

■ 6.6788, 10.2543,
4.1748

■ 99.7130, 123.0232,
90.6248

■ 3.3066, 5.5679,
1.7217

127.3062,
155.1692, 117.8941

■ 1.3179, 2.5842,
0.3756

159.5712,
192.4774, 150.1490

■ 0.1966, 0.9187,
0.0000

196.8732,

■ 0.0000, 0.0000,

235.3323, 187.8079

0.0000

239.5777,
284.1182, 231.2893

■ 28.7502, 38.3735,
23.0311

■ 28.7502, 38.3735,
23.0311

■ 25.7507, 36.9398,
17.8553

■ 32.2502, 40.0442,
29.2857

■ 23.2254, 35.7274,
13.6948

■ 36.2695, 41.9569,
36.6726

■ 21.1500, 34.7265,
10.4836


■ 40.8296, 44.1227,
45.2450


■ 19.4968, 33.9242,
8.1468


■ 45.9498, 46.5505,
55.0516


■ 18.2346, 33.3065,
6.5980


■ 51.6485, 49.2487,
66.1388


 17.3276, 32.8571,
5.7334

 57.9431, 52.2255,
78.5502

 16.9255, 32.6565,
5.4113

 64.8504, 55.4886,
92.3278

 71.3713, 58.6392,
102.1646

 75.4109, 60.7217,
102.3536

Harmonies

Analogous

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



33.2863, 38.3735, 17.5386



28.7502, 38.3735, 23.0311



26.4079, 38.3735, 34.6324

Triad

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



28.7502, 38.3735, 23.0311



33.8825, 38.3735, 82.6111



48.6119, 38.3735, 33.0647

Complementary

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



28.7502, 38.3735, 23.0311



30.3427, 24.3197, 45.7448

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.



48.8166, 38.3735, 49.8540



28.7502, 38.3735, 23.0311



39.8566, 38.3735, 81.8519

Square

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



28.7502, 38.3735, 23.0311



29.1455, 38.3735, 70.5183



45.4677, 38.3735, 68.6625



44.9356, 38.3735, 22.1545

Rectangle

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



28.7502, 38.3735, 23.0311



26.2193, 38.3735, 45.6921



45.4677, 38.3735, 68.6625



49.1018, 38.3735, 38.1020

Sweetspot

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



28.7512, 38.3751, 23.0319



68.0303, 76.6017, 71.4211



35.4589, 38.0872, 22.6228



14.8262, 16.8543, 15.3628



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.



28.7512, 38.3751, 23.0319



47.3199, 66.7314, 34.0193



27.9857, 37.8508, 28.8582



8.5527, 9.5745, 9.0498



12.0058, 23.0993, 3.8258



0.4264, 0.7519, 0.1227

Inverse Universe

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



30.3427, 24.3197, 45.7448



50.5924, 37.6585, 80.9835



31.5667, 25.1402, 37.2408



8.6693, 8.5535, 10.7004



13.5508, 6.3215, 30.6430



0.4708, 0.2218, 0.9662

Previews

White Background



This preview shows how the XYZ color 28.7502, 38.3735, 23.0311 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 28.7502, 38.3735, 23.0311 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 28.7502, 38.3735, 23.0311

Background



This preview shows how black text looks on a background with the XYZ color 28.7502, 38.3735, 23.0311.



This preview shows how white text looks on a background with the XYZ color 28.7502, 38.3735,

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

28.7502, 38.3735, 23.0311

Protanopia

35.4392, 38.1680, 21.1221

Deuteranopia

38.6759, 37.9372, 23.6965



Tritanopia

34.3700, 38.3373, 50.9357

Trichromacy



Original Color

28.7502, 38.3735, 23.0311

Protanomaly

32.5577, 38.0450, 21.8471

Deuteranomaly

34.1007, 37.4236, 23.5153

Tritanomaly

31.9624, 38.2134, 38.9490

Monochromacy



Original Color

28.7502, 38.3735, 23.0311

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.8069, 35.5515, 31.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7502, 38.3735, 23.0311 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(131, 179, 118)` looks like.

```
.text, #text, p{  
    color:rgb(131, 179, 118)  
}
```

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(131, 179, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 179, 118) }
```

Border

The CSS property to change the border of an element to XYZ 28.7502, 38.3735, 23.0311 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(131, 179, 118) }
```


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

```
.border{ border-color:rgb(131, 179, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 179, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 179, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 179, 118);  
box-shadow:4px 4px 4px 4px rgb(131, 179,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7502, 38.3735, 23.0311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 179, 118) }
```

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

```
.background{ background-color: rgb(131,  
179, 118) }
```

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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