

Converting Colors

XYZ(28.4196, 38.2464, 20.8420)

Have a look what the booklet for
XYZ(28.4196, 38.2464, 20.8420)
contains.

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Color

**XYZ(28.5051, 38.2934,
20.9279)**

Conversions

Conversions Part 1

Format	Color
Hex	84B36F
RGB	132, 179, 111
RGB Percent	52%, 70%, 44%
CMY	0.4823, 0.2980, 0.5647
CMYK	0.26, 0.00, 0.38, 0.30
HSL	101°, 31%, 57%
HSV	101°, 38%, 70%
XYZ	28.5051, 38.2934, 20.9279
YIQ	157.1950, -6.1840, -31.1120

Conversions

Conversions Part 2

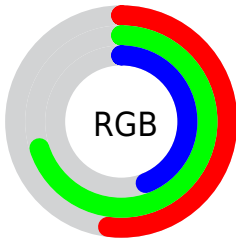
Format	Color
RYB	111, 179, 158
Decimal	8696687
CIELab	68.24, -28.41, 29.81
CIELCh	68, 41.180, 133.615
Yxy	38.2934, 0.3249, 0.4365
Android (android.graphics.Color)	4286886767 (0xFF84B36F)
YUV	157.1950, -22.7741, -22.0960
Hunter-Lab	61.8817, -26.0689, 23.2657

Details

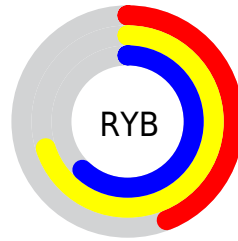
The XYZ color **28.5051, 38.2934, 20.9279** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.9232, 21.8937, 45.4040**, and the grayscale version is **32.2378, 33.9167, 36.9353**.

A 20% lighter version of the original color is **56.5689, 72.5001, 45.6628**, and **11.6386, 16.9750, 7.2205** is the 20% darker color. If you saturate the color by 10%, you get **25.7954, 37.0004, 16.1617**, and if you desaturate by 10%, it is **31.6438, 39.7871, 26.7467**.

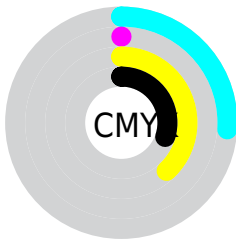
Distribution



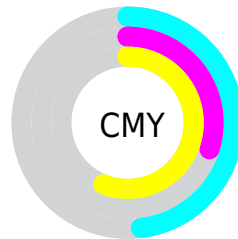
- Red (52%)
- Green (70%)
- Blue (44%)



- Red (44%)
- Yellow (70%)
- Blue (62%)



- Cyan (26%)
- Magenta (0%)
- Yellow (38%)
- Black (30%)



- Cyan (48%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5051, 38.2934, 20.9279 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 28.5051, 38.2934, 20.9279 by changing the saturation by 10% instead.

■ 28.5051, 38.2934,
20.9279

■ 28.5051, 38.2934,
20.9279

286.9092,
338.8769, 269.6635

■ 18.8492, 26.2105,
12.8806

■ 56.6929, 72.5576,
45.8467

■ 11.6647, 16.9812,
7.2166

■ 75.9554, 95.5077,
63.5553

■ 6.5864, 10.2211,
3.5174

■ 99.1509, 122.8490,
85.3215

■ 3.2488, 5.5458,
1.3645

■ 126.6446,
154.9658, 111.5636

■ 1.2867, 2.5709,
0.1138

158.8019,
192.2427, 142.7004

■ 0.1732, 0.9121,
0.0000

195.9882,

■ 0.0000, 0.0000,

235.0639, 179.1502

0.0000

238.5688,
283.8138, 221.3318

■ 28.5051, 38.2934,
20.9279

■ 28.5051, 38.2934,
20.9279

■ 25.7954, 37.0004,
16.1617

■ 31.6438, 39.7871,
26.7467

■ 23.4919, 35.8941,
12.3829

■ 35.2270, 41.4847,
33.6733

■ 21.5740, 34.9667,
9.5225


■ 39.2731, 43.3957,
41.7621


■ 20.0179, 34.2076,
7.5021


■ 43.7985, 45.5274,
51.0629


■ 18.7966, 33.6049,
6.2297


■ 48.8186, 47.8868,
61.6229


 17.8718, 33.1421,
5.5585

 54.3482, 50.4806,
73.4866

 17.7116, 33.0618,
5.4481

 60.4017, 53.3152,
86.6964

 66.9925, 56.3966,
101.2928

 71.2558, 58.5797,
102.1592

Harmonies

Analogous

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



33.5587, 38.2934, 15.8515



28.5051, 38.2934, 20.9279



25.7616, 38.2934, 32.4691

Triad

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



28.5051, 38.2934, 20.9279



33.0139, 38.2934, 85.8165



49.8081, 38.2934, 33.8911

Complementary

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



28.5051, 38.2934, 20.9279



27.9232, 21.8937, 45.4040

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.



49.6173, 38.2934, 52.5214



28.5051, 38.2934, 20.9279



39.3904, 38.2934, 86.5365

Square

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



28.5051, 38.2934, 20.9279



28.1469, 38.2934, 71.2572



45.6250, 38.2934, 73.0043



46.1189, 38.2934, 21.7030

Rectangle

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



28.5051, 38.2934, 20.9279



25.3836, 38.2934, 43.9714



45.6250, 38.2934, 73.0043



50.2077, 38.2934, 39.4985

Sweetspot

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



28.5061, 38.2950, 20.9287



67.9256, 76.5806, 69.9286



33.5972, 35.0051, 20.0254



14.8317, 16.8639, 15.0570



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.



28.5061, 38.2950, 20.9287



46.7456, 66.5264, 29.8821



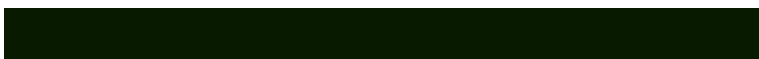
26.2812, 37.0632, 24.6619



8.6277, 9.6131, 9.0533



12.5749, 23.3927, 3.8525



0.4570, 0.7676, 0.1241

Inverse Universe

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



27.9232, 21.8937, 45.4040



45.5216, 32.7282, 80.2991



31.2082, 23.7264, 39.2699



8.5896, 8.5125, 10.6967



11.6644, 5.3490, 30.5547



0.4234, 0.1974, 0.9640

Previews

White Background



This preview shows how the XYZ color 28.5051, 38.2934, 20.9279 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 28.5051, 38.2934, 20.9279 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 28.5051, 38.2934, 20.9279

Background



This preview shows how black text looks on a background with the XYZ color 28.5051, 38.2934, 20.9279.



This preview shows how white text looks on a background with the XYZ color 28.5051, 38.2934,

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

28.5051, 38.2934, 20.9279

Protanopia

35.0601, 38.0163, 19.1257

Deuteranopia

38.8392, 38.0630, 21.8228



Tritanopia

34.5281, 38.1394, 50.8892

Trichromacy



Original Color

28.5051, 38.2934, 20.9279

Protanomaly

32.3739, 37.9951, 19.8148

Deuteranomaly

34.1290, 37.4860, 21.3563

Tritanomaly

31.8446, 37.8969, 37.5347

Monochromacy



Original Color

28.5051, 38.2934, 20.9279

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.4015, 35.0996, 29.9835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5051, 38.2934, 20.9279 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(132, 179, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 179, 111)  
}
```

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(132, 179, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 179, 111) }
```

Border

The CSS property to change the border of an element to XYZ 28.5051, 38.2934, 20.9279 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(132, 179, 111) }
```


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

```
.border{ border-color:rgb(132, 179, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 179, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 179, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 179, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 179,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5051, 38.2934, 20.9279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 179, 111) }
```

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

```
.background{ background-color: rgb(132,  
179, 111) }
```

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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