

Converting Colors

XYZ(38.9045, 57.9236, 30.0106)

Have a look what the booklet for
XYZ(38.9045, 57.9236, 30.0106)
contains.

XYZ(38.8722, 57.9650, 29.9085)	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(38.8722, 57.9650,
29.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	81DD81
RGB	129, 221, 129
RGB Percent	51%, 87%, 51%
CMY	0.4941, 0.1333, 0.4941
CMYK	0.42, 0.00, 0.42, 0.13
HSL	120°, 58%, 69%
HSV	120°, 42%, 87%
XYZ	38.8722, 57.9650, 29.9085
YIQ	183.0040, -25.3000, -48.1160

Conversions

Conversions Part 2

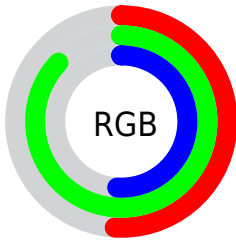
Format	Color
RYB	129, 221, 221
Decimal	8510849
CIELab	80.72, -45.75, 36.75
CIElCh	81, 58.685, 141.230
Yxy	57.9650, 0.3067, 0.4573
Android (android.graphics.Color)	4286700929 (0xFF81DD81)
YUV	183.0040, -26.6240, -47.3615
Hunter-Lab	76.1347, -42.0989, 30.0031

Details

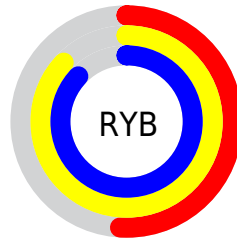
The XYZ color **38.8722, 57.9650, 29.9085** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.7220, 36.2943, 72.7407**, and the grayscale version is **45.1646, 47.5167, 51.7456**.

A 20% lighter version of the original color is **64.5569, 85.3780, 57.8768**, and **17.5779, 28.8768, 11.8551** is the 20% darker color. If you saturate the color by 10%, you get **34.5578, 55.8943, 22.8504**, and if you desaturate by 10%, it is **44.2332, 60.5419, 38.6764**.

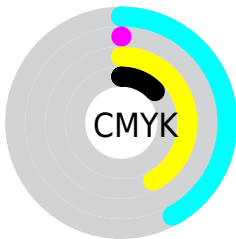
Distribution



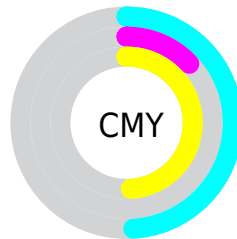
- Red (51%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8722, 57.9650, 29.9085 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 38.8722, 57.9650, 29.9085 by changing the saturation by 10% instead.

■ 38.8722, 57.9650,
29.9085

■ 38.8722, 57.9650,
29.9085

332.5634,
417.0555, 315.6717

■ 26.8406, 41.7805,
19.5177

■ 72.7384, 101.8719,
60.5767

■ 17.5895, 28.9295,
11.8644

■ 95.3036, 130.3631,
81.6912

■ 10.7536, 19.0275,
6.5300

■ 122.1108,
163.7253, 107.2174

■ 5.9675, 11.6901,
3.0960

153.5253,
202.3429, 137.5737

■ 2.8658, 6.5330,
1.1438

189.9125,
246.6004, 173.1788

■ 1.0832, 3.1718,
0.0000

231.6376,

■ 0.0110, 1.2221,

296.8820, 214.4511

0.0000

279.0661,
353.5723, 261.8093

■ 0.0000, 0.0796,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8722, 57.9650,
29.9085

■ 38.8722, 57.9650,
29.9085

■ 34.5578, 55.8943,
22.8504

■ 44.2332, 60.5419,
38.6764

■ 31.2177, 54.2899,
17.3869


■ 50.6984, 63.6474,
49.2512


■ 28.7773, 53.1176,
13.3952


■ 58.3261, 67.3115,
61.7278


■ 27.1495, 52.3357,
10.7325

■ 67.1697, 71.5595,
76.1929

 26.2298, 51.8940,
9.2281

 77.2788, 76.4154,
92.7282

 25.8576, 51.7152,
8.6193

 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



47.0912, 57.9650, 19.1501



38.8722, 57.9650, 29.9085



35.1505, 57.9650, 53.4901

Triad

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



38.8722, 57.9650, 29.9085



51.6222, 57.9650, 154.5267



79.7513, 57.9650, 41.9297

Complementary

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



38.8722, 57.9650, 29.9085



50.7220, 36.2943, 72.7407

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.



81.4354, 57.9650, 73.8282



38.8722, 57.9650, 29.9085



63.9557, 57.9650, 147.8265

Square

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



38.8722, 57.9650, 29.9085



41.7713, 57.9650, 130.6230



75.2975, 57.9650, 114.7093



70.9851, 57.9650, 24.1134

Rectangle

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



38.8722, 57.9650, 29.9085



35.2792, 57.9650, 77.0002



75.2975, 57.9650, 114.7093



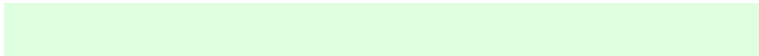
81.2106, 57.9650, 51.0065

Sweetspot

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



38.8737, 57.9674, 29.9098



80.1335, 92.8349, 84.5015



59.6402, 68.6730, 30.8811



16.8365, 19.7190, 17.5710



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.8737, 57.9674, 29.9098



48.4506, 77.6159, 32.6784



42.6492, 59.4776, 49.7913



12.8866, 14.6063, 13.8657



15.0204, 30.0408, 5.0069



0.9731, 1.9462, 0.3244

Inverse Universe

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



50.7220, 36.2943, 72.7407



66.9438, 43.7881, 99.5297



45.4087, 34.1689, 44.7608



13.6144, 13.2749, 16.4968



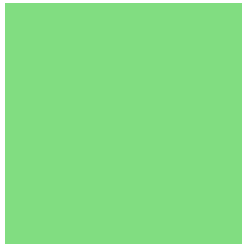
24.9035, 11.9624, 40.7334



1.6134, 0.7750, 2.6389

Previews

White Background



This preview shows how the XYZ color 38.8722, 57.9650, 29.9085 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 38.8722, 57.9650, 29.9085 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 38.8722, 57.9650, 29.9085

Background



This preview shows how black text looks on a background with the XYZ color 38.8722, 57.9650, 29.9085.



This preview shows how white text looks on a background with the XYZ color 38.8722, 57.9650,

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

38.8722, 57.9650, 29.9085

Protanopia

52.7881, 57.1328, 26.3347

Deuteranopia

58.3346, 57.2163, 31.2618



Tritanopia

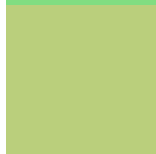
48.9868, 57.8801, 80.5416

Trichromacy



Original Color

38.8722, 57.9650, 29.9085



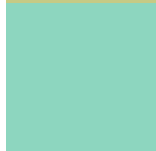
Protanomaly

46.2006, 56.5200, 27.5432



Deuteranomaly

48.6429, 55.9403, 30.4241



Tritanomaly

44.4350, 57.5174, 58.0502

Monochromacy



Original Color

38.8722, 57.9650, 29.9085



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.6814, 50.3634, 42.1746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8722, 57.9650, 29.9085 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(129, 221, 129)` looks like.

```
.text, #text, p{  
    color:rgb(129, 221, 129)  
}
```

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(129, 221, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 221, 129) }
```

Border

The CSS property to change the border of an element to XYZ 38.8722, 57.9650, 29.9085 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(129, 221, 129) }
```


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

```
.border{ border-color:rgb(129, 221, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 221, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 221, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 221, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 221,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8722, 57.9650, 29.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 221, 129) }
```

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

```
.background{ background-color: rgb(129,  
221, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor