

Converting Colors

XYZ(38.6480, 57.1870, 24.9401)

Have a look what the booklet for
XYZ(38.6480, 57.1870, 24.9401)
contains.

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Color

**XYZ(38.6853, 57.1963,
24.9207)**

Conversions

Conversions Part 1

Format	Color
Hex	89DB72
RGB	137, 219, 114
RGB Percent	54%, 86%, 45%
CMY	0.4627, 0.1412, 0.5529
CMYK	0.37, 0.00, 0.48, 0.14
HSL	107°, 59%, 65%
HSV	107°, 48%, 86%
XYZ	38.6853, 57.1963, 24.9207
YIQ	182.5120, -15.1670, -50.0390

Conversions

Conversions Part 2

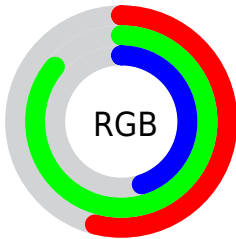
Format	Color
RYB	114, 219, 196
Decimal	9034610
CIELab	80.29, -44.50, 43.68
CIELCh	80, 62.354, 135.533
Yxy	57.1963, 0.3202, 0.4735
Android (android.graphics.Color)	4287224690 (0xFF89DB72)
YUV	182.5120, -33.7764, -39.9140
Hunter-Lab	75.6282, -41.0432, 33.4028

Details

The XYZ color **38.6853, 57.1963, 24.9207** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **41.5712, 28.8868, 70.4056**, and the grayscale version is **44.9287, 47.2684, 51.4753**.

A 20% lighter version of the original color is **65.0760, 85.8165, 50.1802**, and **17.3877, 28.3026, 9.2491** is the 20% darker color. If you saturate the color by 10%, you get **35.0003, 55.4255, 19.0022**, and if you desaturate by 10%, it is **43.1160, 59.3205, 32.4342**.

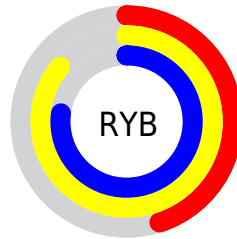
Distribution



Red (54%)

Green (86%)

Blue (45%)



Red (45%)

Yellow (86%)

Blue (77%)

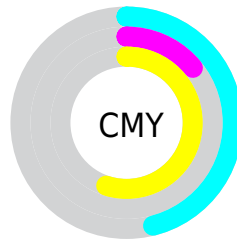


Cyan (37%)

Magenta (0%)

Yellow (48%)

Black (14%)



Cyan (46%)


Magenta (14%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6853, 57.1963, 24.9207 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 38.6853, 57.1963, 24.9207 by changing the saturation by 10% instead.


 38.6853, 57.1963,
24.9207


 38.6853, 57.1963,
24.9207


331.7809,
414.1845, 290.8778


 26.6946, 41.1629,
15.7995


 72.4545, 100.7516,
52.4911

 17.4794, 28.4464,
9.2296


 94.9637, 129.0422,
71.7773

 10.6743, 18.6624,
4.7924


 121.7098,
162.1873, 95.2890

 5.9139, 11.4266,
2.0694

153.0581,
200.5713, 123.4447

 2.8330, 6.3545,
0.5974

189.3740,
244.5787, 156.6628

 1.0661, 3.0618,
0.0000

231.0229,

 0.0000, 1.1641,

294.5937, 195.3621

0.0000

278.3701,
351.0008, 239.9609

■ 0.0000, 0.0321,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.6853, 57.1963,
24.9207

■ 38.6853, 57.1963,
24.9207

■ 35.0003, 55.4255,
19.0022

■ 43.1160, 59.3205,
32.4342

■ 32.0143, 53.9814,
14.5600


■ 48.3273, 61.8086,
41.6425


■ 29.6816, 52.8450,
11.4648


■ 54.3568, 64.6796,
52.6418


■ 27.9486, 51.9918,
9.5634


■ 61.2383, 67.9493,
65.5200

 26.7470, 51.3916,
8.6391

 69.0038, 71.6321,
80.3593

 26.5500, 51.2929,
8.5012

 77.6836, 75.7422,
97.2367

 84.6227, 79.1454,
105.4242

Harmonies

Analogous

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



48.0623, 57.1963, 16.1830



38.6853, 57.1963, 24.9207



33.9224, 57.1963, 46.3403

Triad

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



38.6853, 57.1963, 24.9207



48.4692, 57.1963, 157.9292



81.5521, 57.1963, 45.3121

Complementary

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



38.6853, 57.1963, 24.9207



41.5712, 28.8868, 70.4056

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.



81.7068, 57.1963, 81.5034



38.6853, 57.1963, 24.9207



61.1924, 57.1963, 157.3015

Square

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



38.6853, 57.1963, 24.9207



38.9429, 57.1963, 126.9773



73.7909, 57.1963, 125.4982



73.3963, 57.1963, 24.4226

Rectangle

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



38.6853, 57.1963, 24.9207



33.4408, 57.1963, 69.2911



73.7909, 57.1963, 125.4982



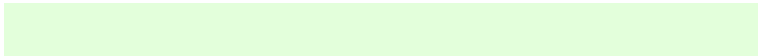
82.5795, 57.1963, 55.7530

Sweetspot

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



38.6867, 57.1987, 24.9220



80.3018, 93.0005, 80.9436



51.6564, 55.0841, 23.8302



16.7484, 19.6970, 16.5072



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.



38.6867, 57.1987, 24.9220



49.1491, 78.1151, 26.4248



37.1553, 56.1961, 34.4812



13.1519, 14.7430, 13.8781



15.8189, 30.4524, 5.0442



1.0989, 2.0111, 0.3303

Inverse Universe

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



41.5712, 28.8868, 70.4056



53.6286, 33.3819, 98.2246



44.6368, 30.8578, 52.8961



13.3208, 13.1235, 16.4831



17.6413, 8.2186, 40.3950



1.2134, 0.5688, 2.6203

Previews

White Background



This preview shows how the XYZ color 38.6853, 57.1963, 24.9207 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 38.6853, 57.1963, 24.9207 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 38.6853, 57.1963, 24.9207

Background



This preview shows how black text looks on a background with the XYZ color 38.6853, 57.1963, 24.9207.

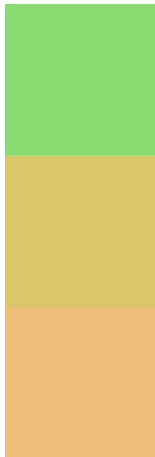


This preview shows how white text looks on a background with the XYZ color 38.6853, 57.1963,

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

38.6853, 57.1963, 24.9207

Protanopia

51.7614, 56.3551, 22.0594

Deuteranopia

57.5840, 56.3009, 25.9213



Tritanopia

49.3424, 57.0213, 78.2176

Trichromacy



Original Color

38.6853, 57.1963, 24.9207



Protanomaly

45.8720, 56.0872, 23.1601



Deuteranomaly

48.5529, 55.3131, 25.2570



Tritanomaly

44.2359, 56.3970, 53.3540

Monochromacy



Original Color

38.6853, 57.1963, 24.9207



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.6374, 50.0555, 39.8149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6853, 57.1963, 24.9207 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(137, 219, 114)` looks like.

```
.text, #text, p{  
    color:rgb(137, 219, 114)  
}
```

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(137, 219, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 219, 114) }
```

Border

The CSS property to change the border of an element to XYZ 38.6853, 57.1963, 24.9207 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(137, 219, 114) }
```


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

```
.border{ border-color:rgb(137, 219, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 219, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 219, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 219, 114);  
box-shadow:4px 4px 4px 4px rgb(137, 219,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6853, 57.1963, 24.9207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 219, 114) }
```

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

```
.background{ background-color: rgb(137,  
219, 114) }
```

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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