

Converting Colors

XYZ(38.9532, 57.4378, 25.6264)

Have a look what the booklet for
XYZ(38.9532, 57.4378, 25.6264)
contains.

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Color

**XYZ(38.8004, 57.2424,
25.5269)**

Conversions

Conversions Part 1

Format	Color
Hex	89DB74
RGB	137, 219, 116
RGB Percent	54%, 86%, 45%
CMY	0.4627, 0.1412, 0.5451
CMYK	0.37, 0.00, 0.47, 0.14
HSL	108°, 59%, 66%
HSV	108°, 47%, 86%
XYZ	38.8004, 57.2424, 25.5269
YIQ	182.7400, -15.8090, -49.4170

Conversions

Conversions Part 2

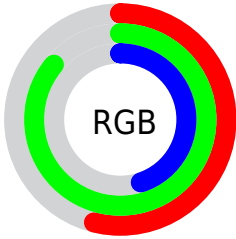
Format	Color
RYB	116, 219, 198
Decimal	9034612
CIELab	80.32, -44.24, 42.74
CIELCh	80, 61.515, 135.991
Yxy	57.2424, 0.3192, 0.4709
Android (android.graphics.Color)	4287224692 (0xFF89DB74)
YUV	182.7400, -32.9028, -40.1140
Hunter-Lab	75.6587, -40.8618, 32.9569

Details

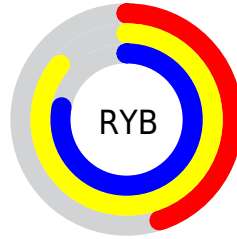
The XYZ color **38.8004, 57.2424, 25.5269** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **42.3232, 29.6129, 70.5062**, and the grayscale version is **45.0492, 47.3953, 51.6135**.

A 20% lighter version of the original color is **65.2638, 85.8916, 51.1692**, and **17.5310, 28.3699, 9.5530** is the 20% darker color. If you saturate the color by 10%, you get **35.0431, 55.4374, 19.4673**, and if you desaturate by 10%, it is **43.3227, 59.4105, 33.1921**.

Distribution



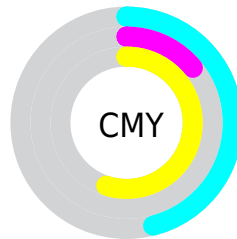
- Red (54%)
- Green (86%)
- Blue (45%)



- Red (45%)
- Yellow (86%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (47%)
- Black (14%)



- Cyan (46%)
- Magenta (14%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8004, 57.2424, 25.5269 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 38.8004, 57.2424, 25.5269 by changing the saturation by 10% instead.

■ 38.8004, 57.2424,
25.5269

■ 38.8004, 57.2424,
25.5269

332.2629,
414.3570, 293.9831

■ 26.7845, 41.1999,
16.2475

■ 72.6293, 100.8188,
53.4854

■ 17.5472, 28.4753,
9.5432

■ 95.1731, 129.1215,
73.0016

■ 10.7231, 18.6843,
4.9955

■ 121.9568,
162.2796, 96.7670

■ 5.9469, 11.4424,
2.1859

153.3459,
200.6777, 125.2004

■ 2.8532, 6.3652,
0.6662

189.7057,
244.7001, 158.7201

■ 1.0766, 3.0684,
0.0000

231.4016,

■ 0.0054, 1.1675,

294.7312, 197.7448

0.0000

278.7989,
351.1553, 242.6929

■ 0.0000, 0.0350,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8004, 57.2424,
25.5269

■ 38.8004, 57.2424,
25.5269

■ 35.0431, 55.4374,
19.4673

■ 43.3227, 59.4105,
33.1921

■ 32.0030, 53.9682,
14.8957


■ 48.6459, 61.9528,
42.5620


■ 29.6334, 52.8153,
11.6844


■ 54.8084, 64.8889,
53.7320


■ 27.8795, 51.9536,
9.6826


■ 61.8451, 68.2347,
66.7895

 26.6749, 51.3532,
8.6929

 69.7887, 72.0054,
81.8162

 26.3993, 51.2153,
8.4942

 78.6702, 76.2153,
98.8889

 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.



48.0128, 57.2424, 16.6391



38.8004, 57.2424, 25.5269



34.1533, 57.2424, 47.0185

Triad

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



38.8004, 57.2424, 25.5269



48.7600, 57.2424, 156.5801



81.1255, 57.2424, 45.1269

Complementary

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



38.8004, 57.2424, 25.5269



42.3232, 29.6129, 70.5062

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.



81.4083, 57.2424, 80.6431



38.8004, 57.2424, 25.5269



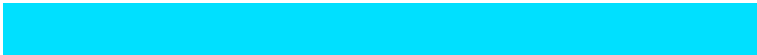
61.3455, 57.2424, 155.4370

Square

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



38.8004, 57.2424, 25.5269



39.2744, 57.2424, 126.5958



73.7215, 57.2424, 123.8984



72.9996, 57.2424, 24.6040

Rectangle

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



38.8004, 57.2424, 25.5269



33.7245, 57.2424, 69.8395



73.7215, 57.2424, 123.8984



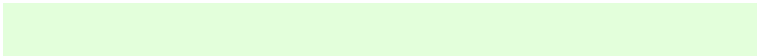
82.1790, 57.2424, 55.3740

Sweetspot

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



38.8018, 57.2448, 25.5282



80.1312, 92.9126, 80.9356



52.2627, 56.1126, 24.6001



16.7073, 19.6758, 16.5053



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.



38.8018, 57.2448, 25.5282



49.7331, 78.3843, 27.8962



37.6608, 56.4287, 35.7705



13.1332, 14.7334, 13.8772



15.7254, 30.4042, 5.0398



1.0902, 2.0066, 0.3298

Inverse Universe

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



42.3232, 29.6129, 70.5062



55.1958, 35.0035, 98.4550



44.7352, 31.2621, 52.2890



13.3409, 13.1339, 16.4841



18.0714, 8.4403, 40.4151



1.2378, 0.5814, 2.6214

Previews

White Background



This preview shows how the XYZ color 38.8004, 57.2424, 25.5269 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 38.8004, 57.2424, 25.5269 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 38.8004, 57.2424, 25.5269

Background



This preview shows how black text looks on a background with the XYZ color 38.8004, 57.2424, 25.5269.



This preview shows how white text looks on a background with the XYZ color 38.8004, 57.2424,

25.5269.

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

38.8004, 57.2424, 25.5269

Protanopia

51.8678, 56.3977, 22.6201

Deuteranopia

57.7079, 56.3505, 26.5741



Tritanopia

49.3424, 57.0213, 78.2176

Trichromacy



Original Color

38.8004, 57.2424, 25.5269



Protanomaly

45.9822, 56.1313, 23.7401



Deuteranomaly

48.6730, 55.3611, 25.8897



Tritanomaly

44.3404, 56.4388, 53.9042

Monochromacy



Original Color

38.8004, 57.2424, 25.5269



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.7238, 50.0900, 40.2702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8004, 57.2424, 25.5269 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 219, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 219, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.8004, 57.2424, 25.5269 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, 116) }
```


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

```
.border{ border-color:rgb(137, 219, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 219, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 219, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 219,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8004, 57.2424, 25.5269 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, 116) }
```

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

```
.background{ background-color: rgb(137,  
219, 116) }
```

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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