

Converting Colors

XYZ(37.8775, 57.0273, 23.9884)

Have a look what the booklet for
XYZ(37.8775, 57.0273, 23.9884)
contains.

XYZ(37.9782, 57.2396, 24.0856)	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(37.9782, 57.2396,
24.0856)**

Conversions

Conversions Part 1

Format	Color
Hex	84DC6F
RGB	132, 220, 111
RGB Percent	52%, 86%, 44%
CMY	0.4823, 0.1372, 0.5647
CMYK	0.40, 0.00, 0.50, 0.14
HSL	108°, 61%, 65%
HSV	108°, 50%, 86%
XYZ	37.9782, 57.2396, 24.0856
YIQ	181.2620, -17.4590, -52.5550

Conversions

Conversions Part 2

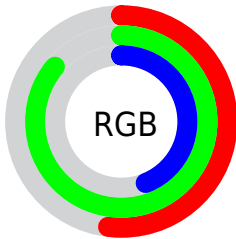
Format	Color
RYB	111, 220, 199
Decimal	8707183
CIELab	80.31, -46.88, 45.10
CIELCh	80, 65.050, 136.104
Yxy	57.2396, 0.3183, 0.4798
Android (android.graphics.Color)	4286897263 (0xFF84DC6F)
YUV	181.2620, -34.6392, -43.2028
Hunter-Lab	75.6569, -42.7961, 34.0846

Details

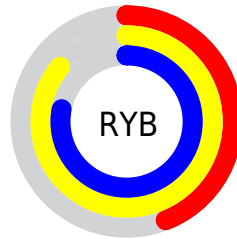
The XYZ color **37.9782, 57.2396, 24.0856** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **42.1585, 28.6800, 71.0269**, and the grayscale version is **44.2526, 46.5571, 50.7007**.

A 20% lighter version of the original color is **63.5378, 85.0554, 48.6659**, and **17.0454, 28.4032, 8.7217** is the 20% darker color. If you saturate the color by 10%, you get **34.3681, 55.5034, 18.3536**, and if you desaturate by 10%, it is **42.3623, 59.3438, 31.4133**.

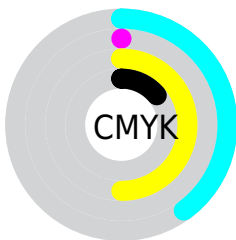
Distribution



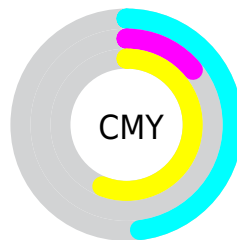
- Red (52%)
- Green (86%)
- Blue (44%)



- Red (44%)
- Yellow (86%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (50%)
- Black (14%)



- Cyan (48%)
- Magenta (14%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9782, 57.2396, 24.0856 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 37.9782, 57.2396, 24.0856 by changing the saturation by 10% instead.

■ 37.9782, 57.2396,
24.0856

■ 37.9782, 57.2396,
24.0856

328.8089,
414.3465, 286.5534

■ 26.1429, 41.1976,
15.1843

■ 71.3788, 100.8147,
51.1154

■ 17.0638, 28.4735,
8.8008

■ 93.6749, 129.1166,
70.0811

■ 10.3756, 18.6829,
4.5164

■ 120.1886,
162.2740, 93.2386

■ 5.7129, 11.4414,
1.9127

■ 151.2852,
200.6713, 121.0066

■ 2.7103, 6.3645,
0.5008

187.3303,
244.6927, 153.8035

■ 1.0025, 3.0680,
0.0000

228.6890,

■ 0.0000, 1.1673,

294.7228, 192.0479

0.0000

275.7267,
351.1460, 236.1584

■ 0.0000, 0.0348,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9782, 57.2396,
24.0856

■ 37.9782, 57.2396,
24.0856

■ 34.3681, 55.5034,
18.3536

■ 42.3623, 59.3438,
31.4133

■ 31.4817, 54.1067,
14.0949


■ 47.5587, 61.8282,
40.4395


■ 29.2687, 53.0282,
11.1756


■ 53.6077, 64.7133,
51.2627


■ 27.6705, 52.2411,
9.4358


■ 60.5459, 68.0159,
63.9730

 26.6040, 51.7086,
8.6073

 68.4078, 71.7521,
78.6542

 26.5649, 51.6890,
8.5769

 77.2260, 75.9368,
95.3854

 84.8843, 79.6687,
105.5114

Harmonies

Analogous

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



47.6145, 57.2396, 15.1169



37.9782, 57.2396, 24.0856



33.1634, 57.2396, 46.3374

Triad

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



37.9782, 57.2396, 24.0856



48.4909, 57.2396, 163.8869



82.8597, 57.2396, 44.1353

Complementary

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



37.9782, 57.2396, 24.0856



42.1585, 28.6800, 71.0269

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.



83.1979, 57.2396, 81.6205



37.9782, 57.2396, 24.0856



61.8112, 57.2396, 162.4989

Square

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



37.9782, 57.2396, 24.0856



38.5293, 57.2396, 131.4034



74.9925, 57.2396, 128.1485



74.1326, 57.2396, 23.0420

Rectangle

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



37.9782, 57.2396, 24.0856



32.7315, 57.2396, 70.4416



74.9925, 57.2396, 128.1485



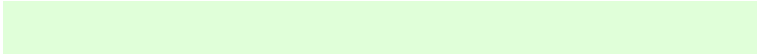
84.0015, 57.2396, 54.8557

Sweetspot

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



37.9796, 57.2420, 24.0869



79.0291, 92.3830, 79.1417



52.6267, 56.8456, 23.2384



16.4840, 19.5683, 16.1519



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.



37.9796, 57.2420, 24.0869



48.0439, 77.5607, 25.6822



37.1616, 56.5729, 35.2279



13.1195, 14.7263, 13.8766



15.6606, 30.3708, 5.0368



1.0838, 2.0032, 0.3295

Inverse Universe

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



42.1585, 28.6800, 71.0269



54.4253, 33.4033, 98.1867



44.2035, 30.1867, 50.6813



13.3558, 13.1415, 16.4848



18.3962, 8.6078, 40.4303



1.2562, 0.5909, 2.6223

Previews

White Background



This preview shows how the XYZ color 37.9782, 57.2396, 24.0856 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 37.9782, 57.2396, 24.0856 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 37.9782, 57.2396, 24.0856

Background



This preview shows how black text looks on a background with the XYZ color 37.9782, 57.2396, 24.0856.



This preview shows how white text looks on a background with the XYZ color 37.9782, 57.2396,

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

37.9782, 57.2396, 24.0856

Protanopia

51.9062, 56.4477, 21.2565

Deuteranopia

57.4625, 56.2524, 25.2820



Tritanopia

48.7163, 56.6829, 78.8943

Trichromacy



Original Color

37.9782, 57.2396, 24.0856



Protanomaly

45.2187, 55.7689, 22.2911



Deuteranomaly

47.8941, 54.9870, 24.6123



Tritanomaly

43.7678, 56.5256, 53.4035

Monochromacy



Original Color

37.9782, 57.2396, 24.0856



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.6201, 49.2170, 38.8114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9782, 57.2396, 24.0856 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, 220, 111)` looks like.

```
.text, #text, p{  
    color:rgb(132, 220, 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, 220, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 220, 111) }
```

Border

The CSS property to change the border of an element to XYZ 37.9782, 57.2396, 24.0856 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, 220, 111) }
```


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

```
.border{ border-color:rgb(132, 220, 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, 220, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 220, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 220, 111);  
box-shadow:4px 4px 4px 4px rgb(132, 220,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9782, 57.2396, 24.0856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 220, 111) }
```

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

```
.background{ background-color: rgb(132,  
220, 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](#).

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