

Converting Colors

XYZ(40.8459, 59.1064, 24.1412)

Have a look what the booklet for
XYZ(40.8459, 59.1064, 24.1412)
contains.

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Color

**XYZ(40.8837, 59.1346,
24.0112)**

Conversions

Conversions Part 1

Format	Color
Hex	94DD6E
RGB	148, 221, 110
RGB Percent	58%, 87%, 43%
CMY	0.4196, 0.1333, 0.5686
CMYK	0.33, 0.00, 0.50, 0.13
HSL	99°, 62%, 65%
HSV	99°, 50%, 87%
XYZ	40.8837, 59.1346, 24.0112
YIQ	186.5190, -7.8770, -49.9970

Conversions

Conversions Part 2

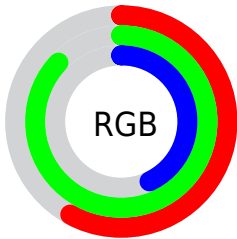
Format	Color
RYB	110, 221, 183
Decimal	9756014
CIELab	81.37, -42.25, 47.04
CIELCh	81, 63.225, 131.926
Yxy	59.1346, 0.3296, 0.4768
Android (android.graphics.Color)	4287946094 (0xFF94DD6E)
YUV	186.5190, -37.7239, -33.7812
Hunter-Lab	76.8990, -39.6730, 35.3164

Details

The XYZ color **40.8837, 59.1346, 24.0112** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.1582, 26.4414, 71.5024**, and the grayscale version is **47.1733, 49.6300, 54.0470**.

A 20% lighter version of the original color is **67.6377, 87.1795, 48.3844**, and **18.7331, 29.5429, 8.7180** is the 20% darker color. If you saturate the color by 10%, you get **37.3616, 57.4428, 18.3298**, and if you desaturate by 10%, it is **45.0390, 61.1217, 31.2909**.

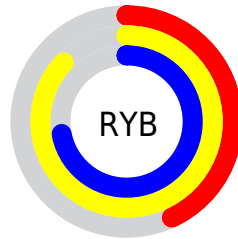
Distribution



Red (58%)

Green (87%)

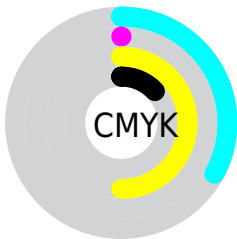
Blue (43%)



Red (43%)

Yellow (87%)

Blue (72%)

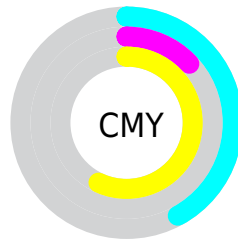


Cyan (33%)

Magenta (0%)

Yellow (50%)

Black (13%)



Cyan (42%)


Magenta (13%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8837, 59.1346, 24.0112 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 40.8837, 59.1346, 24.0112 by changing the saturation by 10% instead.


 40.8837, 59.1346,
24.0112


 40.8837, 59.1346,
24.0112


340.9052,
421.4005, 286.1655

 28.4155, 42.7215,
15.1297


 75.7831, 103.5733,
50.9925


 18.7811, 29.6666,
8.7628


 98.9451, 132.3676,
69.9294

 11.6153, 19.5857,
4.4921


 126.4023,
166.0578, 93.0551

 6.5526, 12.0943,
1.8990

 158.5202,
205.0283, 120.7882

 3.2278, 6.8079,
0.4921

195.6640,
249.6634, 153.5473

 1.2753, 3.3423,
0.0000

238.1993,

 0.1646, 1.3129,

300.3475, 191.7508

0.0000

286.4912,
357.4651, 235.8174

■ 0.0000, 0.1512,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8837, 59.1346,
24.0112

■ 40.8837, 59.1346,
24.0112

■ 37.3616, 57.4428,
18.3298

■ 45.0390, 61.1217,
31.2909

■ 34.4334, 56.0234,
14.1225


■ 49.8550, 63.4107,
40.2729


■ 32.0616, 54.8617,
11.2531


■ 55.3629, 66.0171,
51.0571


■ 30.2015, 53.9384,
9.5584


■ 61.5903, 68.9533,
63.7345

 28.8107, 53.2377,
8.7574

 68.5633, 72.2309,
78.3900

 76.3067, 75.8608,
95.1032

 83.2413, 79.2126,
105.5100

 85.1477, 80.1953,
105.5992

Harmonies

Analogous

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



51.1179, 59.1346, 16.2153



40.8837, 59.1346, 24.0112



35.3502, 59.1346, 44.3519

Triad

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



40.8837, 59.1346, 24.0112



48.6874, 59.1346, 161.2662



84.9031, 59.1346, 50.4932

Complementary

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



40.8837, 59.1346, 24.0112



38.1582, 26.4414, 71.5024

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.



83.9783, 59.1346, 89.6976



40.8837, 59.1346, 24.0112



61.6203, 59.1346, 165.0191

Square

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



40.8837, 59.1346, 24.0112



39.3454, 59.1346, 126.2564



74.9447, 59.1346, 135.0978



77.3026, 59.1346, 26.9843

Rectangle

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



40.8837, 59.1346, 24.0112



34.4484, 59.1346, 66.8640



74.9447, 59.1346, 135.0978



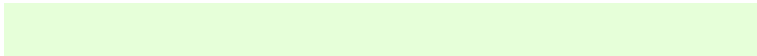
85.6081, 59.1346, 61.9730

Sweetspot

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



40.8851, 59.1371, 24.0125



80.8348, 93.3139, 79.2262



49.3944, 50.0178, 21.8038



16.9147, 19.7904, 16.1721



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.



40.8851, 59.1371, 24.0125



51.5560, 79.3861, 25.1761



36.0967, 56.5538, 28.9739



13.3047, 14.8218, 13.8852



16.8453, 30.9815, 5.0922



1.1819, 2.0538, 0.3341

Inverse Universe

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



38.1582, 26.4414, 71.5024



47.3282, 29.3668, 97.7816



46.3381, 30.9021, 60.8723



13.1591, 13.0401, 16.4756



14.5266, 6.6129, 40.2492



1.0321, 0.4753, 2.6118

Previews

White Background



This preview shows how the XYZ color 40.8837, 59.1346, 24.0112 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 40.8837, 59.1346, 24.0112 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 40.8837, 59.1346, 24.0112

Background



This preview shows how black text looks on a background with the XYZ color 40.8837, 59.1346, 24.0112.

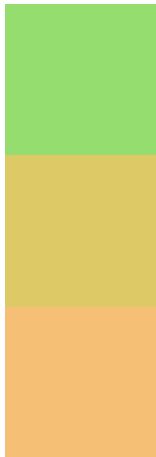


This preview shows how white text looks on a background with the XYZ color 40.8837, 59.1346,

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

40.8837, 59.1346, 24.0112

Protanopia

53.4590, 58.2822, 21.2640

Deuteranopia

59.7167, 58.3961, 24.9538



Tritanopia

51.8724, 58.6550, 79.8217

Trichromacy



Original Color

40.8837, 59.1346, 24.0112



Protanomaly

47.6631, 57.7545, 22.2713



Deuteranomaly

50.9715, 57.6284, 24.3565



Tritanomaly

46.6396, 58.3783, 53.6097

Monochromacy



Original Color

40.8837, 59.1346, 24.0112



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.9150, 52.2343, 40.5685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8837, 59.1346, 24.0112 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(148, 221, 110)` looks like.

```
.text, #text, p{  
    color:rgb(148, 221, 110)  
}
```

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(148, 221, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 221, 110) }
```

Border

The CSS property to change the border of an element to XYZ 40.8837, 59.1346, 24.0112 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(148, 221, 110) }
```


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

```
.border{ border-color:rgb(148, 221, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 221, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 221, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 221, 110); box-shadow:4px 4px 4px 4px rgb(148, 221, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8837, 59.1346, 24.0112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 221, 110) }
```

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

```
.background{ background-color: rgb(148,  
221, 110) }
```

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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