

Converting Colors

XYZ(40.7066, 58.6049, 34.0741)

Have a look what the booklet for
XYZ(40.7066, 58.6049, 34.0741)
contains.

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Color

**XYZ(40.6434, 58.3982,
33.9408)**

Conversions

Conversions Part 1	
Format	Color
Hex	89DC8C
RGB	137, 220, 140
RGB Percent	54%, 86%, 55%
CMY	0.4627, 0.1372, 0.4510
CMYK	0.38, 0.00, 0.36, 0.14
HSL	122°, 54%, 70%
HSV	122°, 38%, 86%
XYZ	40.6434, 58.3982, 33.9408
YIQ	186.0630, -23.7880, -42.4760

Conversions

Conversions Part 2

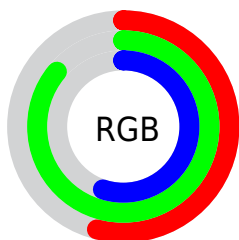
Format	Color
RYB	137, 217, 220
Decimal	9034892
CIELab	80.96, -41.24, 31.56
CIELCh	81, 51.931, 142.568
Yxy	58.3982, 0.3056, 0.4391
Android (android.graphics.Color)	4287224972 (0xFF89DC8C)
YUV	186.0630, -22.7091, -43.0283
Hunter-Lab	76.4187, -38.7973, 27.1599

Details

The XYZ color **40.6434, 58.3982, 33.9408** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **50.9872, 38.1180, 70.3181**, and the grayscale version is **46.8415, 49.2809, 53.6669**.

A 20% lighter version of the original color is **67.4899, 86.7525, 64.2267**, and **18.5583, 29.0660, 14.0834** is the 20% darker color. If you saturate the color by 10%, you get **35.9823, 56.1606, 26.3326**, and if you desaturate by 10%, it is **46.3441, 61.1403, 43.1728**.

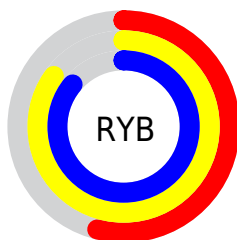
Distribution



Red (54%)

Green (86%)

Blue (55%)



Red (54%)

Yellow (85%)

Blue (86%)

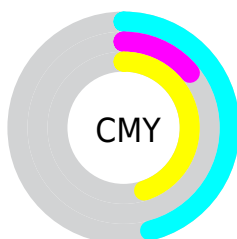


Cyan (38%)

Magenta (0%)

Yellow (36%)

Black (14%)



Cyan (46%)

Magenta (14%)


Yellow (45%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 40.6434, 58.3982, 33.9408 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 40.6434, 58.3982, 33.9408 by changing the saturation by 10% instead.


 40.6434, 58.3982,
33.9408


 40.6434, 58.3982,
33.9408


339.9161,
418.6681, 334.6291


 28.2270, 42.1289,
22.5711


 75.4204, 102.5025,
66.9744

 18.6382, 29.2022,
14.0748


 98.5117, 131.1063,
89.4755

 11.5116, 19.2338,
8.0334


 125.8920,
164.5903, 116.5241

 6.4819, 11.8394,
4.0282

157.9267,
203.3389, 148.5388

 3.1836, 6.6344,
1.6409

194.9811,
247.7367, 185.9381

 1.2516, 3.2345,
0.3197


237.4205,

 0.1465, 1.2554,


298.1678, 229.1405


0.0000

285.6104,
355.0168, 278.5647


 0.0000, 0.1062,
0.0000


 0.0000, 0.0000,
0.0000


 40.6434, 58.3982,
33.9408


 40.6434, 58.3982,
33.9408


 35.9823, 56.1606,
26.3326


 46.3441, 61.1403,
43.1728


 32.2940, 54.3900,
20.2509


 53.1371, 64.4072,
54.1110


 29.5109, 53.0555,
15.5936


 61.0769, 68.2268,
66.8365


 27.5549, 52.1192,
12.2451


 70.2130, 72.6233,
81.4243

 26.3347, 51.5370,
10.0713

 80.5921, 77.6190,
97.9452

 25.7281, 51.2494,
8.9092

 84.8843, 79.6686,
105.5114

 25.6379, 51.2061,
8.7609

Harmonies

Analogous

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



47.9376, 58.3982, 23.0619



40.6434, 58.3982, 33.9408



37.4128, 58.3982, 56.2249

Triad

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



40.6434, 58.3982, 33.9408



52.8722, 58.3982, 142.3033



76.8883, 58.3982, 43.4473

Complementary

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



40.6434, 58.3982, 33.9408



50.9872, 38.1180, 70.3181

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.



78.6546, 58.3982, 71.5625



40.6434, 58.3982, 33.9408



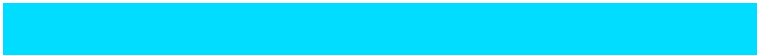
63.8313, 58.3982, 135.5025

Square

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



40.6434, 58.3982, 33.9408



43.8554, 58.3982, 123.2021



73.6104, 58.3982, 106.8318



69.0557, 58.3982, 27.1837

Rectangle

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



40.6434, 58.3982, 33.9408



37.6609, 58.3982, 77.3714



73.6104, 58.3982, 106.8318



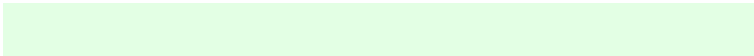
78.2491, 58.3982, 51.5432

Sweetspot

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



40.6449, 58.4007, 33.9421



81.4214, 93.4422, 87.1175



58.7957, 67.7830, 33.6520



17.0984, 19.8421, 18.1195



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.



40.6449, 58.4007, 33.9421



51.6820, 79.1430, 39.0978



44.2793, 59.8544, 53.0806



12.9055, 14.6138, 13.9654



15.0547, 30.0545, 5.1877



0.9822, 1.9498, 0.3722

Inverse Universe

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



50.9872, 38.1180, 70.3181



68.0438, 47.0450, 96.6382



46.2727, 36.2322, 45.4922



13.5930, 13.2663, 16.3839



24.3093, 11.7248, 37.6045



1.5814, 0.7622, 2.4704

Previews

White Background



This preview shows how the XYZ color 40.6434, 58.3982, 33.9408 looks on a white background.

Color Contrast Check

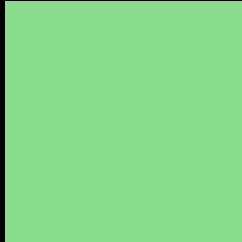
Large Text (above 18pt) WCAG AA × Fail

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 40.6434, 58.3982, 33.9408 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 40.6434, 58.3982, 33.9408

Background



This preview shows how black text looks on a background with the XYZ color 40.6434, 58.3982, 33.9408.



This preview shows how white text looks on a background with the XYZ color 40.6434, 58.3982,

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

40.6434, 58.3982, 33.9408

Protanopia

53.4344, 57.7262, 30.1558

Deuteranopia

58.9630, 57.7791, 35.2389



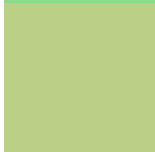
Tritanopia

49.8544, 57.9619, 80.5117

Trichromacy



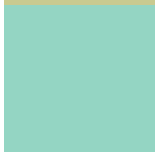
Original Color
40.6434, 58.3982, 33.9408



Protanomaly
47.4250, 57.0663, 31.4370



Deuteranomaly
50.2420, 56.6722, 34.6763



Tritanomaly
45.8573, 57.8245, 60.3741

Monochromacy



Original Color
40.6434, 58.3982, 33.9408



Achromatopsia
46.6715, 49.1021, 53.4722



Achromatomaly
43.5040, 51.5776, 45.1987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6434, 58.3982, 33.9408 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, 220, 140)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 140)  
}
```

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, 220, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 140) }
```

Border

The CSS property to change the border of an element to XYZ 40.6434, 58.3982, 33.9408 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, 220, 140) }
```


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

```
.border{ border-color:rgb(137, 220, 140) }
```

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

Here you see how a box with a 4 pixel rgb(137, 220, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 140);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6434, 58.3982, 33.9408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 140) }
```

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

```
.background{ background-color: rgb(137,  
220, 140) }
```

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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