

Converting Colors

XYZ(37.7647, 50.4966, 34.8711)

Have a look what the booklet for
XYZ(37.7647, 50.4966, 34.8711)
contains.

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Color

**XYZ(37.8719, 50.6268,
34.9700)**

Conversions

Conversions Part 1

Format	Color
Hex	8FCB92
RGB	143, 203, 146
RGB Percent	56%, 80%, 57%
CMY	0.4392, 0.2039, 0.4274
CMYK	0.30, 0.00, 0.28, 0.20
HSL	123°, 37%, 68%
HSV	123°, 30%, 80%
XYZ	37.8719, 50.6268, 34.9700
YIQ	178.5620, -17.4630, -30.4470

Conversions

Conversions Part 2

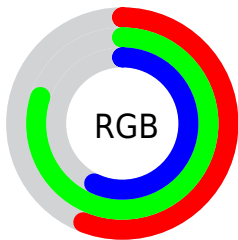
Format	Color
RYB	143, 200, 203
Decimal	9423762
CIELab	76.45, -30.57, 22.44
CIELCh	76, 37.923, 143.727
Yxy	50.6268, 0.3067, 0.4100
Android (android.graphics.Color)	4287613842 (0xFF8FCB92)
YUV	178.5620, -16.0531, -31.1879
Hunter-Lab	71.1525, -29.5078, 20.6669

Details

The XYZ color **37.8719, 50.6268, 34.9700** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.8780, 36.5126, 59.3279**, and the grayscale version is **42.7050, 44.9290, 48.9277**.

A 20% lighter version of the original color is **69.4740, 87.6959, 67.9089**, and **17.0295, 24.4948, 14.6569** is the 20% darker color. If you saturate the color by 10%, you get **33.2948, 48.4277, 27.5747**, and if you desaturate by 10%, it is **43.3406, 53.2593, 43.7302**.

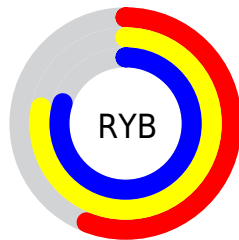
Distribution



Red (56%)

Green (80%)

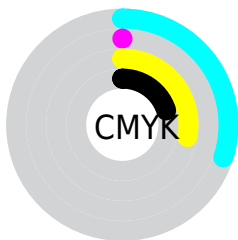
Blue (57%)



Red (56%)

Yellow (78%)

Blue (80%)

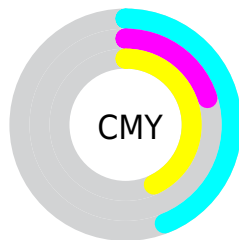


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (20%)



Cyan (44%)

Magenta (20%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8719, 50.6268, 34.9700 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 37.8719, 50.6268, 34.9700 by changing the saturation by 10% instead.

■ 37.8719, 50.6268,
34.9700

■ 37.8719, 50.6268,
34.9700

328.3605,
389.1121, 339.3361

■ 26.0600, 35.9117,
23.3564

■ 71.2169, 91.1029,
68.5903

■ 17.0015, 24.3660,
14.6491

■ 93.4808, 117.6326,
91.4341

■ 10.3309, 15.6053,
8.4296

119.9594,
148.8694, 118.8584

■ 5.6828, 9.2453,
4.2794

151.0180,
185.1976, 151.2818

■ 2.6920, 4.9015,
1.7798

187.0221,
227.0015, 189.1227

■ 0.9931, 2.1896,
0.4146

228.3370,

■ 0.0000, 0.7143,

274.6657, 232.7997

0.0000

275.3280,
328.5744, 282.7313

■ 0.0000, 0.0000,
0.0000

■ 37.8719, 50.6268,
34.9700

■ 37.8719, 50.6268,
34.9700

■ 33.2948, 48.4277,
27.5747

■ 43.3406, 53.2593,
43.7302

■ 29.5585, 46.6327,
21.4724

■ 49.7406, 56.3398,
53.9155

■ 26.6128, 45.2192,
16.5899

■ 57.1139, 59.8902,
65.5868

■ 24.4008, 44.1594,
12.8453

■ 65.4987, 63.9289,
78.8001

■ 22.8580, 43.4222,
10.1465

■ 74.9313, 68.4736,
93.6089

■ 21.9085, 42.9707,
8.3874

■ 80.6469, 71.1938,
104.0990

■ 21.4286, 42.7438,
7.4378

■ 21.4125, 42.7361,
7.4119

Harmonies

Analogous

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



42.8004, 50.6268, 26.3815



37.8719, 50.6268, 34.9700



35.7150, 50.6268, 50.9362

Triad

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



37.8719, 50.6268, 34.9700



46.6339, 50.6268, 104.2090



61.8230, 50.6268, 40.7600

Complementary

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



37.8719, 50.6268, 34.9700



44.8780, 36.5126, 59.3279

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.



63.1069, 50.6268, 59.5352



37.8719, 50.6268, 34.9700



53.8614, 50.6268, 99.5555

Square

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



37.8719, 50.6268, 34.9700



40.4408, 50.6268, 93.3157



60.0660, 50.6268, 81.8304



56.7129, 50.6268, 29.0999

Rectangle

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



37.8719, 50.6268, 34.9700



35.9698, 50.6268, 64.9973



60.0660, 50.6268, 81.8304



62.7361, 50.6268, 46.3049

Sweetspot

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



37.8732, 50.6289, 34.9711



83.7912, 94.5787, 91.0783



50.1354, 56.9769, 34.3422



17.5728, 20.0694, 18.9199



0.0000, 0.0000, 0.0000



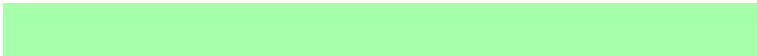
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8732, 50.6289, 34.9711



58.7095, 82.5104, 50.9680



40.5215, 51.6883, 48.9168



11.0904, 12.5459, 12.0335



13.6362, 27.1998, 4.7694



0.7116, 1.4065, 0.2889

Inverse Universe

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



44.8780, 36.5126, 59.3279



72.1704, 55.3775, 97.7692



41.7083, 35.2447, 42.6360



11.6624, 11.3937, 14.0227



21.7987, 10.5301, 32.9883



1.1322, 0.5463, 1.7419

Previews

White Background



This preview shows how the XYZ color 37.8719, 50.6268, 34.9700 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 37.8719, 50.6268, 34.9700 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 37.8719, 50.6268, 34.9700

Background



This preview shows how black text looks on a background with the XYZ color 37.8719, 50.6268, 34.9700.



This preview shows how white text looks on a background with the XYZ color 37.8719, 50.6268,

34.9700.

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

37.8719, 50.6268, 34.9700

Protanopia

47.0005, 50.3871, 31.6746

Deuteranopia

51.1206, 49.9370, 36.2226



Tritanopia

44.6655, 50.6519, 68.3954

Trichromacy



Original Color

37.8719, 50.6268, 34.9700

Protanomaly

43.0085, 49.9167, 32.9593

Deuteranomaly

44.8939, 49.2127, 35.5666

Tritanomaly

41.9262, 50.5553, 54.5621

Monochromacy



Original Color

37.8719, 50.6268, 34.9700

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.6842, 46.8635, 43.4605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8719, 50.6268, 34.9700 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(143, 203, 146)` looks like.

```
.text, #text, p{  
    color:rgb(143, 203, 146)  
}
```

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(143, 203, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 203, 146) }
```

Border

The CSS property to change the border of an element to XYZ 37.8719, 50.6268, 34.9700 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(143, 203, 146) }
```


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

```
.border{ border-color:rgb(143, 203, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 203, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 203, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 203, 146);  
box-shadow:4px 4px 4px 4px rgb(143, 203,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8719, 50.6268, 34.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 203, 146) }
```

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

```
.background{ background-color: rgb(143,  
203, 146) }
```

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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