

Converting Colors

XYZ(40.4771, 50.7586, 37.4726)

Have a look what the booklet for
XYZ(40.4771, 50.7586, 37.4726)
contains.

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Color

**XYZ(40.6198, 50.9465,
37.3985)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC898
RGB	159, 200, 152
RGB Percent	62%, 78%, 60%
CMY	0.3765, 0.2157, 0.4039
CMYK	0.21, 0.00, 0.24, 0.22
HSL	111°, 30%, 69%
HSV	111°, 24%, 78%
XYZ	40.6198, 50.9465, 37.3985
YIQ	182.2690, -9.0280, -23.6200

Conversions

Conversions Part 2

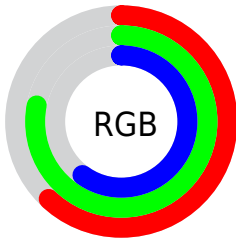
Format	Color
RYB	152, 200, 193
Decimal	10471576
CIELab	76.65, -22.72, 19.67
CIELCh	77, 30.052, 139.113
Yxy	50.9465, 0.3150, 0.3950
Android (android.graphics.Color)	4288661656 (0xFF9FC898)
YUV	182.2690, -14.9226, -20.4069
Hunter-Lab	71.3768, -23.3269, 18.8983

Details

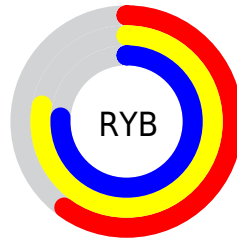
The XYZ color **40.6198, 50.9465, 37.3985** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.6481, 37.9656, 59.6739**, and the grayscale version is **44.6935, 47.0210, 51.2059**.

A 20% lighter version of the original color is **74.6321, 90.2724, 71.8833**, and **18.6913, 24.6232, 16.0795** is the 20% darker color. If you saturate the color by 10%, you get **35.9612, 48.7200, 29.3388**, and if you desaturate by 10%, it is **46.0256, 53.5293, 46.9372**.

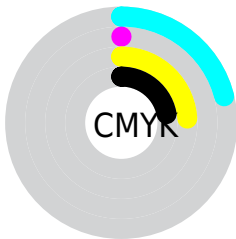
Distribution



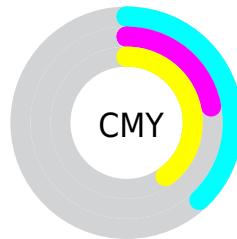
- Red (62%)
- Green (78%)
- Blue (60%)



- Red (60%)
- Yellow (78%)
- Blue (76%)



- Cyan (21%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)





- Cyan (38%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6198, 50.9465, 37.3985 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 40.6198, 50.9465, 37.3985 by changing the saturation by 10% instead.


 40.6198, 50.9465,
37.3985


 40.6198, 50.9465,
37.3985


339.8189,
390.3559, 350.2531

 28.2085, 36.1660,
25.2180


 75.3848, 91.5757,
72.3784

 18.6241, 24.5625,
16.0190


 98.4691, 118.1932,
96.0149

 11.5014, 15.7514,
9.3831


125.8419,
149.5252, 124.3071

 6.4749, 9.3484,
4.8917

157.8683,
185.9560, 157.6736

 3.1793, 4.9691,
2.1262

194.9139,
227.8701, 196.5329

 1.2493, 2.2292,
0.6313

237.3440,

 0.1448, 0.7358,

275.6519, 241.3036

0.0000

285.5238,
329.6857, 292.4041

■ 0.0000, 0.0000,
0.0000

■ 40.6198, 50.9465,
37.3985

■ 40.6198, 50.9465,
37.3985

■ 35.9612, 48.7200,
29.3388

■ 46.0256, 53.5293,
46.9372

■ 32.0129, 46.8278,
22.6809

■ 52.2055, 56.4762,
58.0202

■ 28.7408, 45.2557,
17.3457

■ 59.1900, 59.8032,
70.7129

■ 26.1063, 43.9856,
13.2450

■ 67.0066, 63.5230,
85.0761

■ 24.0668, 42.9977,
10.2797

■ 75.6816, 67.6479,
101.1673

■ 22.5747, 42.2700,
8.3355

■ 79.9453, 69.7906,
103.8651

■ 21.5740, 41.7766,
7.2744

■ 21.1666, 41.5742,
6.9090

Harmonies

Analogous

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



44.9312, 50.9465, 30.8365



40.6198, 50.9465, 37.3985



38.4616, 50.9465, 49.7662

Triad

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



40.6198, 50.9465, 37.3985



46.3875, 50.9465, 92.2469



59.5044, 50.9465, 45.8394

Complementary

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



40.6198, 50.9465, 37.3985



43.6481, 37.9656, 59.6739

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.



59.9712, 50.9465, 61.5982



40.6198, 50.9465, 37.3985



52.0915, 50.9465, 90.6251

Square

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



40.6198, 50.9465, 37.3985



41.6140, 50.9465, 82.6673



57.1668, 50.9465, 78.5932



55.9372, 50.9465, 35.0097

Rectangle

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



40.6198, 50.9465, 37.3985



38.4112, 50.9465, 60.5798



57.1668, 50.9465, 78.5932



60.0391, 50.9465, 50.6598

Sweetspot

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



40.6211, 50.9487, 37.3996



86.9192, 96.1252, 94.2086



48.5149, 52.6004, 37.3024



18.4612, 20.5065, 19.9074



0.0000, 0.0000, 0.0000



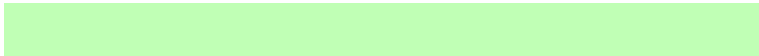
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6211, 50.9487, 37.3996



65.8013, 86.0428, 56.8828



40.7475, 50.8434, 45.1052



10.6390, 11.9608, 11.3107



13.5046, 26.4572, 4.3950



0.6870, 1.2773, 0.2103

Inverse Universe

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



43.6481, 37.9656, 59.6739



71.9680, 59.5602, 102.3109



43.6176, 38.1644, 49.9785



10.9253, 10.7353, 13.4138



17.3441, 8.1754, 35.4082



0.8639, 0.4091, 1.6786

Previews

White Background



This preview shows how the XYZ color 40.6198, 50.9465, 37.3985 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 40.6198, 50.9465, 37.3985 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 40.6198, 50.9465, 37.3985

Background



This preview shows how black text looks on a background with the XYZ color 40.6198, 50.9465, 37.3985.



This preview shows how white text looks on a background with the XYZ color 40.6198, 50.9465,

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

40.6198, 50.9465, 37.3985

Protanopia

47.3371, 50.4905, 34.8545

Deuteranopia

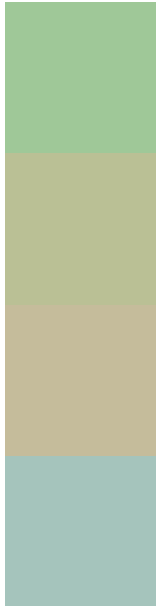
51.4381, 50.3535, 38.4606



Tritanopia

46.6036, 51.0188, 67.0659

Trichromacy



Original Color

40.6198, 50.9465, 37.3985

Protanomaly

44.5242, 50.3083, 35.7976

Deuteranomaly

46.9256, 50.2033, 38.2273

Tritanomaly

44.3341, 51.1100, 55.1055

Monochromacy



Original Color

40.6198, 50.9465, 37.3985

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.0038, 48.3341, 45.5910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6198, 50.9465, 37.3985 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(159, 200, 152)` looks like.

```
.text, #text, p{  
    color:rgb(159, 200, 152)  
}
```

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(159, 200, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 200, 152) }
```

Border

The CSS property to change the border of an element to XYZ 40.6198, 50.9465, 37.3985 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(159, 200, 152) }
```


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

```
.border{ border-color:rgb(159, 200, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 200, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 200, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 200, 152);  
box-shadow:4px 4px 4px 4px rgb(159, 200,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6198, 50.9465, 37.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 200, 152) }
```

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

```
.background{ background-color: rgb(159,  
200, 152) }
```

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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