

Converting Colors

XYZ(38.6280, 50.4880, 33.8506)

Have a look what the booklet for
XYZ(38.6280, 50.4880, 33.8506)
contains.

XYZ(38.4222, 50.2405, 33.6589)	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(38.4222, 50.2405,
33.6589)**

Conversions

Conversions Part 1

Format	Color
Hex	96C98F
RGB	150, 201, 143
RGB Percent	59%, 79%, 56%
CMY	0.4118, 0.2117, 0.4392
CMYK	0.25, 0.00, 0.29, 0.21
HSL	113°, 35%, 67%
HSV	113°, 29%, 79%
XYZ	38.4222, 50.2405, 33.6589
YIQ	179.1390, -11.7780, -28.8500

Conversions

Conversions Part 2

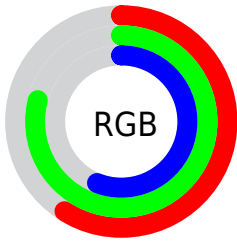
Format	Color
RYB	143, 201, 194
Decimal	9881999
CIELab	76.22, -27.78, 23.76
CIELCh	76, 36.560, 139.460
Yxy	50.2405, 0.3141, 0.4107
Android (android.graphics.Color)	4288072079 (0xFF96C98F)
YUV	179.1390, -17.8165, -25.5549
Hunter-Lab	70.8805, -27.2815, 21.4614

Details

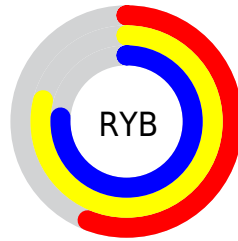
The XYZ color **38.4222, 50.2405, 33.6589** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.6155, 35.3328, 59.8349**, and the grayscale version is **43.0194, 45.2598, 49.2879**.

A 20% lighter version of the original color is **71.0149, 88.5304, 66.1685**, and **17.4025, 24.2368, 13.8862** is the 20% darker color. If you saturate the color by 10%, you get **34.0233, 48.1347, 26.2043**, and if you desaturate by 10%, it is **43.5872, 52.7126, 42.5757**.

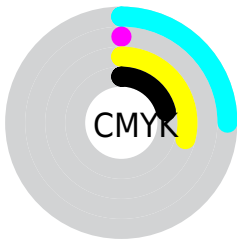
Distribution



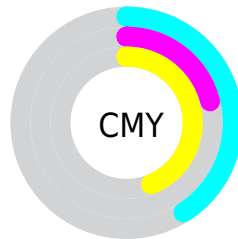
- Red (59%)
- Green (79%)
- Blue (56%)



- Red (56%)
- Yellow (79%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (29%)
- Black (21%)



- Cyan (41%)
- Magenta (21%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4222, 50.2405, 33.6589 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 38.4222, 50.2405, 33.6589 by changing the saturation by 10% instead.

■ 38.4222, 50.2405,
33.6589

■ 38.4222, 50.2405,
33.6589

330.6773,
387.6057, 333.3310

■ 26.4892, 35.6045,
22.3564

■ 72.0545, 90.5311,
66.5307

■ 17.3246, 24.1289,
13.9182

■ 94.4846, 116.9545,
88.9371

■ 10.5629, 15.4293,
7.9257

121.1444,
148.0759, 115.8819

■ 5.8389, 9.1212,
3.9604

152.3994,
184.2796, 147.7837

■ 2.7871, 4.8203,
1.6036

188.6148,
225.9501, 185.0610

■ 1.0422, 2.1422,
0.2934

230.1560,

■ 0.0000, 0.6882,

273.4716, 228.1322

0.0000

277.3884,
327.2287, 277.4161

0.0000, 0.0000,
0.0000

38.4222, 50.2405,
33.6589

38.4222, 50.2405,
33.6589

34.0233, 48.1347,
26.2043

43.5872, 52.7126,
42.5757

30.3502, 46.3718,
20.1307

49.5483, 55.5606,
53.0233

27.3646, 44.9353,
15.3542

56.3390, 58.8017,
65.0700

25.0232, 43.8049,
11.7806

63.9892, 62.4501,
78.7792

23.2778, 42.9582,
9.3026

72.5279, 66.5192,
94.2105

■ 22.0729, 42.3692,
7.7941

■ 80.1777, 70.2553,
103.9426

■ 21.3333, 42.0036,
7.0491

■ 21.2704, 41.9726,
6.9805

Harmonies

Analogous

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



43.4955, 50.2405, 26.2795



38.4222, 50.2405, 33.6589



35.9340, 50.2405, 48.0870

Triad

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



38.4222, 50.2405, 33.6589



45.3822, 50.2405, 100.8221



61.2844, 50.2405, 43.0699

Complementary

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



38.4222, 50.2405, 33.6589



42.6155, 35.3328, 59.8349

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.



61.9129, 50.2405, 61.9004



38.4222, 50.2405, 33.6589



52.2778, 50.2405, 98.5557

Square

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



38.4222, 50.2405, 33.6589



39.6895, 50.2405, 88.6847



58.4819, 50.2405, 83.0796



56.8387, 50.2405, 30.7449

Rectangle

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



38.4222, 50.2405, 33.6589



35.8984, 50.2405, 61.1432



58.4819, 50.2405, 83.0796



61.9642, 50.2405, 48.7323

Sweetspot

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



38.4235, 50.2426, 33.6600



84.5339, 94.9804, 90.2588



48.1765, 52.6611, 33.6128



17.7538, 20.1674, 18.7203



0.0000, 0.0000, 0.0000



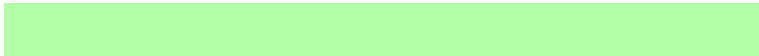
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4235, 50.2426, 33.6600



60.6421, 83.5547, 48.8878



38.9409, 50.3052, 42.9072



10.6144, 11.9482, 11.3095



13.4150, 26.4110, 4.3908



0.6758, 1.2715, 0.2098

Inverse Universe

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



42.6155, 35.3328, 59.8349



69.0293, 53.6761, 101.3300



42.1227, 35.3482, 47.6423



10.9523, 10.7492, 13.4150



18.0447, 8.5366, 35.4410



0.8908, 0.4230, 1.6798

Previews

White Background



This preview shows how the XYZ color 38.4222, 50.2405, 33.6589 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 38.4222, 50.2405, 33.6589 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 38.4222, 50.2405, 33.6589

Background



This preview shows how black text looks on a background with the XYZ color 38.4222, 50.2405, 33.6589.



This preview shows how white text looks on a background with the XYZ color 38.4222, 50.2405,

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

38.4222, 50.2405, 33.6589

Protanopia

46.3731, 49.7643, 30.8283

Deuteranopia

50.8800, 49.8407, 34.9555



Tritanopia

45.1531, 50.2711, 66.9980

Trichromacy



Original Color

38.4222, 50.2405, 33.6589

Protanomaly

42.8012, 49.5084, 31.7263

Deuteranomaly

45.4197, 49.5111, 34.3569

Tritanomaly

42.2963, 50.1086, 52.7901

Monochromacy



Original Color

38.4222, 50.2405, 33.6589

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.8017, 46.6187, 42.9242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4222, 50.2405, 33.6589 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(150, 201, 143)` looks like.

```
.text, #text, p{  
    color:rgb(150, 201, 143)  
}
```

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(150, 201, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 201, 143) }
```

Border

The CSS property to change the border of an element to XYZ 38.4222, 50.2405, 33.6589 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(150, 201, 143) }
```


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

```
.border{ border-color:rgb(150, 201, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 201, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 201, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 201, 143);  
box-shadow:4px 4px 4px 4px rgb(150, 201,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4222, 50.2405, 33.6589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 201, 143) }
```

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

```
.background{ background-color: rgb(150,  
201, 143) }
```

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