

Converting Colors

XYZ(39.2173, 45.9618, 30.7318)

Have a look what the booklet for
XYZ(39.2173, 45.9618, 30.7318)
contains.

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Color

**XYZ(39.3710, 46.1463,
30.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBB8A
RGB	172, 187, 138
RGB Percent	67%, 73%, 54%
CMY	0.3255, 0.2666, 0.4588
CMYK	0.08, 0.00, 0.26, 0.27
HSL	78°, 26%, 64%
HSV	78°, 26%, 73%
XYZ	39.3710, 46.1463, 30.8768
YIQ	176.9290, 6.7890, -18.4190

Conversions

Conversions Part 2

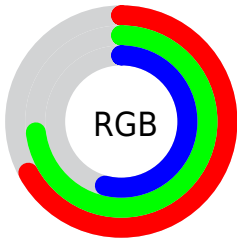
Format	Color
RYB	138, 187, 153
Decimal	11320202
CIELab	73.64, -13.66, 23.15
CIELCh	74, 26.884, 120.540
Yxy	46.1463, 0.3383, 0.3965
Android (android.graphics.Color)	4289510282 (0xFFACBB8A)
YUV	176.9290, -19.1920, -4.3227
Hunter-Lab	67.9311, -15.4256, 20.6026

Details

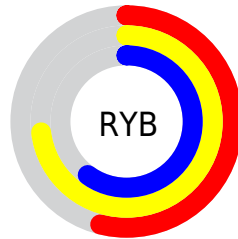
The XYZ color **39.3710, 46.1463, 30.8768** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.1969, 28.5384, 50.8805**, and the grayscale version is **41.8488, 44.0282, 47.9467**.

A 20% lighter version of the original color is **73.5599, 84.4009, 62.2832**, and **17.8943, 21.6767, 12.4734** is the 20% darker color. If you saturate the color by 10%, you get **36.9027, 45.0184, 24.2922**, and if you desaturate by 10%, it is **42.1290, 47.3994, 38.6937**.

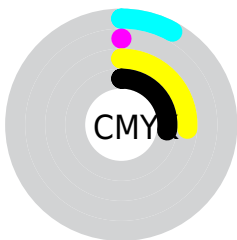
Distribution



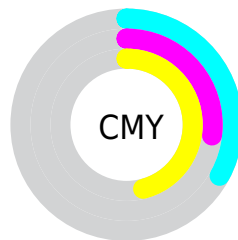
- Red (67%)
- Green (73%)
- Blue (54%)



- Red (54%)
- Yellow (73%)
- Blue (60%)



- Cyan (8%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3710, 46.1463, 30.8768 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 39.3710, 46.1463, 30.8768 by changing the saturation by 10% instead.


 39.3710, 46.1463,
30.8768


 39.3710, 46.1463,
30.8768


334.6453,
371.3965, 320.3039


 27.2305, 32.3613,
20.2474


 73.4952, 84.4379,
62.1234

 17.8839, 21.6376,
12.3891


 96.2096, 109.7133,
83.5776

 10.9658, 13.5909,
6.8835


 123.1793,
139.5876, 109.4771

 6.1110, 7.8367,
3.3120

154.7697,
174.4452, 140.2406

 2.9540, 3.9906,
1.2561

191.3461,
214.6705, 176.2864

 1.1295, 1.6683,
0.0254

233.2740,

 0.0496, 0.4030,

260.6479, 218.0332

0.0000

280.9186,
312.7617, 265.8996

■ 0.0000, 0.0000,
0.0000

■ 39.3710, 46.1463,
30.8768

■ 39.3710, 46.1463,
30.8768

■ 36.9027, 45.0184,
24.2922

■ 42.1290, 47.3994,
38.6937

■ 34.7078, 44.0046,
18.8741

■ 45.1850, 48.7764,
47.7984

■ 32.7740, 43.1013,
14.5548

■ 48.5510, 50.2839,
58.2465

■ 31.0861, 42.3024,
11.2587

■ 52.2375, 51.9261,
70.0897

■ 29.6273, 41.6010,
8.9007

■ 56.2545, 53.7070,
83.3766

■ 28.3780, 40.9893,
7.3816

■ 60.6113, 55.6304,
98.1539

■ 27.3132, 40.4571,
6.5733

■ 62.9963, 56.7719,
102.2455

■ 26.9382, 40.2683,
6.3528

■ 64.6774, 57.6385,
102.3242

■ 66.4175, 58.5355,
102.4056

Harmonies

Analogous

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



43.7745, 46.1463, 28.3224



39.3710, 46.1463, 30.8768



36.3622, 46.1463, 38.4216

Triad

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



39.3710, 46.1463, 30.8768



39.5102, 46.1463, 76.7079



53.6675, 46.1463, 49.9988

Complementary

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



39.3710, 46.1463, 30.8768



31.1969, 28.5384, 50.8805

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.



52.3250, 46.1463, 64.2759



39.3710, 46.1463, 30.8768



43.9470, 46.1463, 81.2898

Square

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



39.3710, 46.1463, 30.8768



36.4384, 46.1463, 64.7815



48.6793, 46.1463, 76.3809



52.2280, 46.1463, 38.0648

Rectangle

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



39.3710, 46.1463, 30.8768



35.4354, 46.1463, 46.0579



48.6793, 46.1463, 76.3809



53.5256, 46.1463, 54.6795

Sweetspot

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



39.3722, 46.1483, 30.8778



79.8254, 86.8609, 82.2788



36.4248, 35.0856, 28.8978



17.3920, 19.0442, 17.5568



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



39.3722, 46.1483, 30.8778



68.1061, 81.5486, 48.7841



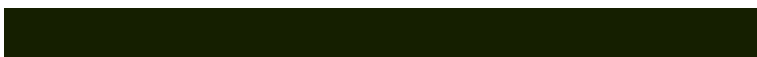
34.5359, 43.6551, 30.6515



10.0302, 10.9700, 10.1654



18.6359, 27.7830, 4.3804



0.7938, 1.1212, 0.1746

Inverse Universe

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



31.1969, 28.5384, 50.8805



51.1832, 45.0853, 90.2061



36.2368, 31.1366, 51.1164



9.2839, 9.3632, 11.9902



7.4185, 3.1104, 32.6023



0.3594, 0.1573, 1.2803

Previews

White Background



This preview shows how the XYZ color 39.3710, 46.1463, 30.8768 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 39.3710, 46.1463, 30.8768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

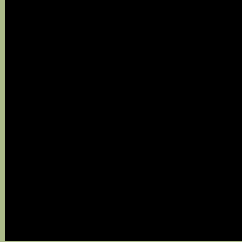
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.3710, 46.1463, 30.8768

Background



This preview shows how black text looks on a background with the XYZ color 39.3710, 46.1463, 30.8768.



This preview shows how white text looks on a background with the XYZ color 39.3710, 46.1463,

30.8768.

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

39.3710, 46.1463, 30.8768

Protanopia

42.9426, 45.8611, 29.5104

Deuteranopia

46.9027, 45.8073, 31.5690



Tritanopia

44.8813, 46.2409, 57.5988

Trichromacy



Original Color

39.3710, 46.1463, 30.8768

Protanomaly

41.6271, 46.0836, 29.9936

Deuteranomaly

43.6800, 45.6046, 31.3113

Tritanomaly

42.7049, 46.2701, 46.7246

Monochromacy



Original Color

39.3710, 46.1463, 30.8768

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.8139, 44.8061, 41.1476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3710, 46.1463, 30.8768 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(172, 187, 138)` looks like.

```
.text, #text, p{  
    color:rgb(172, 187, 138)  
}
```

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(172, 187, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 187, 138) }
```

Border

The CSS property to change the border of an element to XYZ 39.3710, 46.1463, 30.8768 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(172, 187, 138) }
```


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

```
.border{ border-color:rgb(172, 187, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 187, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 187, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 187, 138);  
box-shadow:4px 4px 4px 4px rgb(172, 187,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3710, 46.1463, 30.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 187, 138) }
```

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

```
.background{ background-color: rgb(172,  
187, 138) }
```

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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