

Converting Colors

XYZ(38.0855, 46.8660, 25.5825)

Have a look what the booklet for
XYZ(38.0855, 46.8660, 25.5825)
contains.

XYZ(38.0800, 46.8822, 25.4545)	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(38.0800, 46.8822,
25.4545)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BF7A
RGB	167, 191, 122
RGB Percent	65%, 75%, 48%
CMY	0.3451, 0.2510, 0.5216
CMYK	0.13, 0.00, 0.36, 0.25
HSL	81°, 35%, 61%
HSV	81°, 36%, 75%
XYZ	38.0800, 46.8822, 25.4545
YIQ	175.9580, 7.8450, -26.5470

Conversions

Conversions Part 2

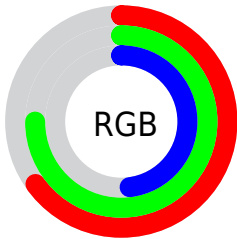
Format	Color
RYB	122, 191, 146
Decimal	10993530
CIELab	74.11, -19.82, 32.16
CIELCh	74, 37.782, 121.646
Yxy	46.8822, 0.3449, 0.4246
Android (android.graphics.Color)	4289183610 (0xFFA7BF7A)
YUV	175.9580, -26.6013, -7.8562
Hunter-Lab	68.4706, -20.5505, 25.8879

Details

The XYZ color **38.0800, 46.8822, 25.4545** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.2194, 23.7929, 52.3980**, and the grayscale version is **41.3774, 43.5322, 47.4066**.

A 20% lighter version of the original color is **71.4301, 85.3046, 53.2581**, and **17.1976, 22.2222, 9.5138** is the 20% darker color. If you saturate the color by 10%, you get **35.6435, 45.7512, 19.7583**, and if you desaturate by 10%, it is **40.8237, 48.1476, 32.3811**.

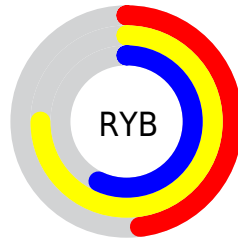
Distribution



Red (65%)

Green (75%)

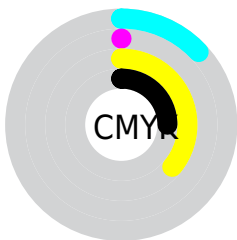
Blue (48%)



Red (48%)

Yellow (75%)

Blue (57%)

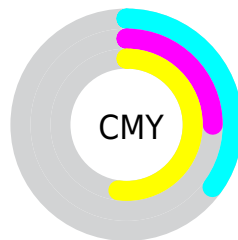


Cyan (13%)

Magenta (0%)

Yellow (36%)

Black (25%)



Cyan (35%)

Magenta (25%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0800, 46.8822, 25.4545 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 38.0800, 46.8822, 25.4545 by changing the saturation by 10% instead.

■ 38.0800, 46.8822,
25.4545

■ 38.0800, 46.8822,
25.4545

329.2379,
374.3441, 293.6137

■ 26.2223, 32.9425,
16.1939

■ 71.5338, 85.5378,
53.3668

■ 17.1236, 22.0824,
9.5056

■ 93.8607, 111.0224,
72.8556

■ 10.4185, 13.9175,
4.9711

■ 120.4079,
141.1243, 96.5910

■ 5.7417, 8.0633,
2.1719

151.5410,
176.2276, 124.9913

■ 2.7278, 4.1355,
0.6581

187.6251,
216.7169, 158.4752

■ 1.0115, 1.7496,
0.0000

229.0258,

■ 0.0000, 0.4555,

262.9764, 197.4612

0.0000

276.1083,
315.3907, 242.3678

■ 0.0000, 0.0000,
0.0000

■ 38.0800, 46.8822,
25.4545

■ 38.0800, 46.8822,
25.4545

■ 35.6435, 45.7512,
19.7583

■ 40.8237, 48.1476,
32.3811

■ 33.4958, 44.7423,
15.2174

■ 43.8846, 49.5468,
40.6014

■ 31.6218, 43.8510,
11.7531


■ 47.2766, 51.0870,
50.1779


■ 30.0036, 43.0699,
9.2756


■ 51.0116, 52.7731,
61.1683

■ 28.6200, 42.3905,
7.6806

■ 55.1009, 54.6097,
73.6267


 27.4445, 41.8020,
6.8346

 59.5553, 56.6012,
87.6046

 27.0250, 41.5904,
6.6034

 64.2712, 58.7064,
102.5518

 66.2444, 59.7237,
102.6441

 68.2977, 60.7821,
102.7402

Harmonies

Analogous

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



44.1876, 46.8822, 22.1376



38.0800, 46.8822, 25.4545



34.0686, 46.8822, 35.3250

Triad

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



38.0800, 46.8822, 25.4545



38.6657, 46.8822, 91.3325



58.8625, 46.8822, 49.9842

Complementary

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



38.0800, 46.8822, 25.4545



28.2194, 23.7929, 52.3980

Split Complementary

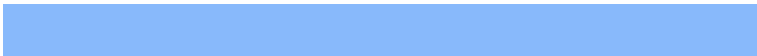
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.0107, 46.8822, 70.8533



38.0800, 46.8822, 25.4545



44.9348, 46.8822, 98.0524

Square

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



38.0800, 46.8822, 25.4545



34.3820, 46.8822, 73.1845



51.7366, 46.8822, 89.7646



56.5715, 46.8822, 33.8948

Rectangle

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



38.0800, 46.8822, 25.4545



32.8934, 46.8822, 45.8254



51.7366, 46.8822, 89.7646



58.7030, 46.8822, 56.6503

Sweetspot

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



38.0812, 46.8843, 25.4555



81.5262, 90.0678, 80.8964



35.1258, 32.7338, 22.8800



17.7207, 19.6955, 17.2529



92.9021, 97.7402, 106.4391



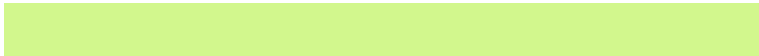
19.4759, 20.4902, 22.3138

Same Dimension

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



38.0812, 46.8843, 25.4555



64.8529, 82.4116, 37.6841



31.8972, 43.6963, 25.1661



9.9913, 10.9499, 10.1636



17.8491, 27.3774, 4.3436



0.7672, 1.1075, 0.1733

Inverse Universe

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



28.2194, 23.7929, 52.3980



44.7236, 35.2474, 92.7254



35.0714, 27.3252, 52.7186



9.3211, 9.3824, 11.9919



7.7557, 3.2843, 32.6181



0.3754, 0.1656, 1.2810

Previews

White Background



This preview shows how the XYZ color 38.0800, 46.8822, 25.4545 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 38.0800, 46.8822, 25.4545 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 38.0800, 46.8822, 25.4545

Background



This preview shows how black text looks on a background with the XYZ color 38.0800, 46.8822, 25.4545.



This preview shows how white text looks on a background with the XYZ color 38.0800, 46.8822,

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

38.0800, 46.8822, 25.4545

Protanopia

43.2867, 46.7697, 23.8855

Deuteranopia

47.5172, 46.5302, 26.2155



Tritanopia

44.8232, 46.7885, 58.8932

Trichromacy



Original Color

38.0800, 46.8822, 25.4545

Protanomaly

41.1723, 46.5946, 24.2764

Deuteranomaly

43.5761, 46.2653, 26.0354

Tritanomaly

41.7440, 46.4467, 44.3011

Monochromacy



Original Color

38.0800, 46.8822, 25.4545

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.7582, 44.3323, 37.9140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0800, 46.8822, 25.4545 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(167, 191, 122)` looks like.

```
.text, #text, p{  
    color:rgb(167, 191, 122)  
}
```

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(167, 191, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 191, 122) }
```

Border

The CSS property to change the border of an element to XYZ 38.0800, 46.8822, 25.4545 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(167, 191, 122) }
```


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

```
.border{ border-color:rgb(167, 191, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 191, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 191, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 191, 122);  
box-shadow:4px 4px 4px 4px rgb(167, 191,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0800, 46.8822, 25.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 191, 122) }
```

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

```
.background{ background-color: rgb(167,  
191, 122) }
```

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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