

Converting Colors

XYZ(38.0478, 45.9324, 24.0000)

Have a look what the booklet for
XYZ(38.0478, 45.9324, 24.0000)
contains.

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Color

**XYZ(38.0478, 45.9324,
24.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBC76
RGB	171, 188, 118
RGB Percent	67%, 74%, 46%
CMY	0.3294, 0.2627, 0.5372
CMYK	0.09, 0.00, 0.37, 0.26
HSL	75°, 34%, 60%
HSV	75°, 37%, 74%
XYZ	38.0478, 45.9324, 24.0000
YIQ	174.9370, 12.3380, -25.3740

Conversions

Conversions Part 2

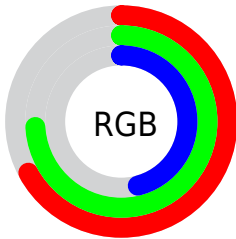
Format	Color
R_{YB}	118, 188, 135
Decimal	11254902
CIE _{Lab}	73.50, -17.29, 33.50
CIE _{LCh}	74, 37.697, 117.294
Yxy	45.9324, 0.3524, 0.4254
Android (android.graphics.Color)	4289444982 (0xFFABBC76)
YUV	174.9370, -28.0699, -3.4527
Hunter-Lab	67.7734, -18.3942, 26.4456

Details

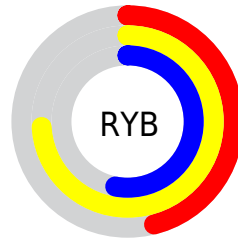
The XYZ color **38.0478, 45.9324, 24.0000** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.5490, 21.7398, 50.4293**, and the grayscale version is **40.8521, 42.9796, 46.8048**.

A 20% lighter version of the original color is **71.3799, 83.9725, 50.9743**, and **17.1786, 21.5969, 8.7320** is the 20% darker color. If you saturate the color by 10%, you get **36.0628, 45.0271, 18.6453**, and if you desaturate by 10%, it is **40.2921, 46.9486, 30.5310**.

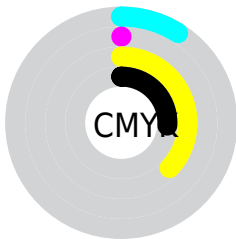
Distribution



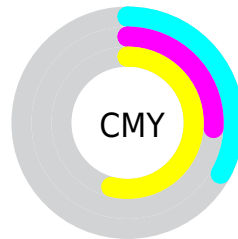
- Red (67%)
- Green (74%)
- Blue (46%)



- Red (46%)
- Yellow (74%)
- Blue (53%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (26%)



- Cyan (33%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0478, 45.9324, 24.0000 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 38.0478, 45.9324, 24.0000 by changing the saturation by 10% instead.

■ 38.0478, 45.9324,
24.0000

■ 38.0478, 45.9324,
24.0000

329.1023,
370.5368, 286.1070

■ 26.1972, 32.1925,
15.1214

■ 71.4848, 84.1178,
50.9740

■ 17.1047, 21.5086,
8.7571

■ 93.8019, 109.3321,
69.9066

■ 10.4049, 13.4962,
4.4884

■ 120.3386,
139.1400, 93.0275

■ 5.7326, 7.7711,
1.8969

151.4601,
173.9258, 120.7554

■ 2.7223, 3.9489,
0.4908

187.5319,
214.0740, 153.5087

■ 1.0086, 1.6450,
0.0000

228.9193,

■ 0.0000, 0.3877,

259.9690, 191.7061

0.0000

275.9876,
311.9951, 235.7660

■ 0.0000, 0.0000,
0.0000

■ 38.0478, 45.9324,
24.0000

■ 38.0478, 45.9324,
24.0000

■ 36.0628, 45.0271,
18.6453

■ 40.2921, 46.9486,
30.5310

■ 34.3202, 44.2210,
14.3940

■ 42.8050, 48.0747,
38.2997

■ 32.8059, 43.5101,
11.1694


■ 45.5991, 49.3173,
47.3667


■ 31.5030, 42.8877,
8.8841


■ 48.6854, 50.6809,
57.7878

■ 30.3918, 42.3457,
7.4359


■ 52.0741, 52.1696,
69.6153


 29.4443, 41.8731,
6.6797

 55.7752, 53.7874,
82.8991

 29.1972, 41.7490,
6.5195

 59.7977, 55.5379,
97.6865

 61.9162, 56.5311,
102.2560

 63.2151, 57.2007,
102.3168

Harmonies

Analogous

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



44.2644, 45.9324, 21.6080



38.0478, 45.9324, 24.0000



33.7496, 45.9324, 32.7071

Triad

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



38.0478, 45.9324, 24.0000



37.1009, 45.9324, 87.6282



57.7295, 45.9324, 51.7631

Complementary

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



38.0478, 45.9324, 24.0000



25.5490, 21.7398, 50.4293

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.



55.3361, 45.9324, 72.5463



38.0478, 45.9324, 24.0000



43.0559, 45.9324, 96.2850

Square

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



38.0478, 45.9324, 24.0000



33.2432, 45.9324, 68.7729



49.7929, 45.9324, 90.1674



56.0468, 45.9324, 35.0178

Rectangle

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



38.0478, 45.9324, 24.0000



32.3250, 45.9324, 42.3762



49.7929, 45.9324, 90.1674



57.3699, 45.9324, 58.5153

Sweetspot

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



38.0489, 45.9344, 24.0010



80.5769, 88.4611, 79.0697



32.5819, 29.1432, 21.0481



17.1798, 18.9574, 16.5228



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.



38.0489, 45.9344, 24.0010



65.8653, 81.8347, 35.1132



31.5168, 42.5670, 23.6953



10.0897, 11.0006, 10.1682



19.9474, 28.4592, 4.4418



0.8368, 1.1433, 0.1766

Inverse Universe

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



25.5490, 21.7398, 50.4293



39.8433, 31.4267, 90.1922



31.9909, 25.0607, 50.7307



9.2278, 9.3343, 11.9875



6.9945, 2.8919, 32.5824



0.3351, 0.1448, 1.2791

Previews

White Background



This preview shows how the XYZ color 38.0478, 45.9324, 24.0000 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 38.0478, 45.9324, 24.0000 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 38.0478, 45.9324, 24.0000

Background



This preview shows how black text looks on a background with the XYZ color 38.0478, 45.9324, 24.0000.



This preview shows how white text looks on a background with the XYZ color 38.0478, 45.9324,

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

38.0478, 45.9324, 24.0000

Protanopia

42.1807, 45.6161, 22.8013

Deuteranopia

46.5226, 45.4845, 24.4165



Tritanopia

44.8018, 45.9142, 56.9531

Trichromacy



Original Color

38.0478, 45.9324, 24.0000

Protanomaly

40.5794, 45.6927, 23.2038

Deuteranomaly

43.1300, 45.4762, 24.2739

Tritanomaly

41.7423, 45.5562, 42.6696

Monochromacy



Original Color

38.0478, 45.9324, 24.0000

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.6096, 43.9743, 36.9721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0478, 45.9324, 24.0000 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(171, 188, 118)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 118)  
}
```

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(171, 188, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 118) }
```

Border

The CSS property to change the border of an element to XYZ 38.0478, 45.9324, 24.0000 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(171, 188, 118) }
```


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

```
.border{ border-color:rgb(171, 188, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 118);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0478, 45.9324, 24.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 118) }
```

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

```
.background{ background-color: rgb(171,  
188, 118) }
```

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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