

Converting Colors

XYZ(38.4973, 44.1719, 24.4747)

Have a look what the booklet for
XYZ(38.4973, 44.1719, 24.4747)
contains.

XYZ(38.5392, 44.3014, 24.6089)	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(38.5392, 44.3014,
24.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B679
RGB	178, 182, 121
RGB Percent	70%, 71%, 47%
CMY	0.3020, 0.2863, 0.5255
CMYK	0.02, 0.00, 0.34, 0.29
HSL	64°, 29%, 59%
HSV	64°, 34%, 71%
XYZ	38.5392, 44.3014, 24.6089
YIQ	173.8500, 17.1970, -19.8190

Conversions

Conversions Part 2

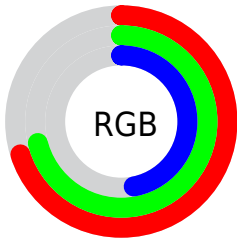
Format	Color
R_{YB}	121, 182, 125
Decimal	11712121
CIE _{Lab}	72.43, -11.09, 30.64
CIE _{LCh}	72, 32.582, 109.890
Yxy	44.3014, 0.3587, 0.4123
Android (android.graphics.Color)	4289902201 (0xFFB2B679)
YUV	173.8500, -26.0550, 3.6396
Hunter-Lab	66.5593, -13.1236, 24.6703

Details

The XYZ color **38.5392, 44.3014, 24.6089** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.7400, 21.4133, 47.1406**, and the grayscale version is **40.2794, 42.3771, 46.1486**.

A 20% lighter version of the original color is **72.1462, 81.6975, 52.0111**, and **17.2998, 20.4405, 8.9949** is the 20% darker color. If you saturate the color by 10%, you get **37.2542, 43.7574, 19.2622**, and if you desaturate by 10%, it is **40.0394, 44.9348, 31.0666**.

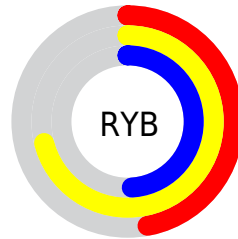
Distribution



Red (70%)

Green (71%)

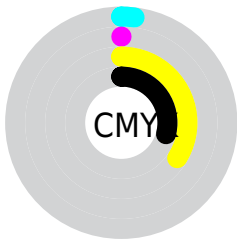
Blue (47%)



Red (47%)

Yellow (71%)

Blue (49%)

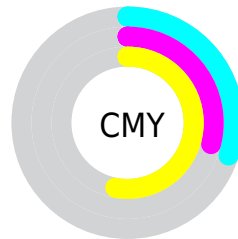


Cyan (2%)

Magenta (0%)

Yellow (34%)

Black (29%)



Cyan (30%)


Magenta (29%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5392, 44.3014, 24.6089 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 38.5392, 44.3014, 24.6089 by changing the saturation by 10% instead.


 38.5392, 44.3014,
24.6089


 38.5392, 44.3014,
24.6089


331.1684,
363.9368, 289.2697


 26.5806, 30.9075,
15.5696


 72.2324, 81.6711,
51.9783

 17.3934, 20.5284,
9.0690


 94.6977, 106.4157,
71.1453

 10.6124, 12.7798,
4.6888


 121.3959,
135.7127, 94.5254

 5.8722, 7.2771,
2.0103

152.6924,
169.9464, 122.5370

 2.8075, 3.6360,
0.5616

188.9526,
209.5013, 155.5987

 1.0528, 1.4721,
0.0000

230.5417,

 0.0000, 0.2690,

254.7617, 194.1290

0.0000

277.8252,
306.1121, 238.5465

■ 0.0000, 0.0000,
0.0000

■ 38.5392, 44.3014,
24.6089

■ 38.5392, 44.3014,
24.6089

■ 37.2542, 43.7574,
19.2622

■ 40.0394, 44.9348,
31.0666

■ 36.1693, 43.2922,
14.9613

■ 41.7625, 45.6562,
38.6903

■ 35.2723, 42.9024,
11.6383

■ 43.7197, 46.4714,
47.5344

■ 34.5489, 42.5823,
9.2163

■ 45.9206, 47.3844,
57.6493

■ 33.9821, 42.3252,
7.6068

■ 48.3742, 48.3988,
69.0824

■ 33.5517, 42.1228,
6.7036

■ 51.0891, 49.5180,
81.8789

■ 33.3185, 42.0102,
6.3527

■ 54.0735, 50.7452,
96.0817

■ 55.4096, 51.3134,
101.5918

■ 55.7043, 51.4653,
101.6056

Harmonies

Analogous

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



44.0311, 44.3014, 23.7478



38.5392, 44.3014, 24.6089



34.3768, 44.3014, 30.9304

Triad

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



38.5392, 44.3014, 24.6089



35.5265, 44.3014, 75.9649



53.6573, 44.3014, 53.8712

Complementary

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



38.5392, 44.3014, 24.6089



23.7400, 21.4133, 47.1406

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.



50.9174, 44.3014, 71.0291



38.5392, 44.3014, 24.6089



40.2400, 44.3014, 85.5358

Square

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



38.5392, 44.3014, 24.6089



32.7475, 44.3014, 59.5416



45.8888, 44.3014, 83.5520



53.0992, 44.3014, 38.4618

Rectangle

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



38.5392, 44.3014, 24.6089



32.7595, 44.3014, 38.3663



45.8888, 44.3014, 83.5520



53.0827, 44.3014, 59.6696

Sweetspot

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



38.5403, 44.3034, 24.6098



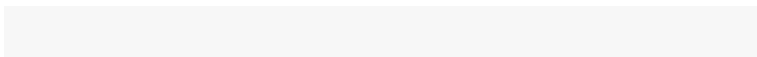
76.8503, 83.2448, 75.2581



29.9580, 25.7545, 21.4819



16.8672, 18.3417, 16.1424



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.5403, 44.3034, 24.6098



68.1618, 79.5929, 37.4760



32.4751, 41.1767, 24.3260



9.6904, 10.4726, 9.6176



23.5497, 29.6766, 4.4870



0.8478, 1.0552, 0.1590

Inverse Universe

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



23.7400, 21.4133, 47.1406



37.3308, 31.8999, 84.4255



28.7136, 23.9772, 47.3733



8.5743, 8.7469, 11.3158



6.0905, 2.4510, 31.4052



0.2333, 0.0960, 1.1080

Previews

White Background



This preview shows how the XYZ color 38.5392, 44.3014, 24.6089 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 38.5392, 44.3014, 24.6089 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 38.5392, 44.3014, 24.6089

Background



This preview shows how black text looks on a background with the XYZ color 38.5392, 44.3014, 24.6089.



This preview shows how white text looks on a background with the XYZ color 38.5392, 44.3014,

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

38.5392, 44.3014, 24.6089

Protanopia

40.7901, 43.9827, 23.7924

Deuteranopia

45.1642, 44.2017, 25.2202



Tritanopia

44.3554, 44.2991, 53.2265

Trichromacy



Original Color

38.5392, 44.3014, 24.6089

Protanomaly

40.0038, 44.1611, 24.1848

Deuteranomaly

42.5306, 43.9815, 24.9866

Tritanomaly

41.8614, 44.1559, 40.9669

Monochromacy



Original Color

38.5392, 44.3014, 24.6089

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.3177, 42.9248, 37.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5392, 44.3014, 24.6089 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(178, 182, 121)` looks like.

```
.text, #text, p{  
    color:rgb(178, 182, 121)  
}
```

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(178, 182, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 182, 121) }
```

Border

The CSS property to change the border of an element to XYZ 38.5392, 44.3014, 24.6089 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(178, 182, 121) }
```


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

```
.border{ border-color:rgb(178, 182, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 182, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 182, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 182, 121);  
box-shadow:4px 4px 4px 4px rgb(178, 182,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5392, 44.3014, 24.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 182, 121) }
```

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

```
.background{ background-color: rgb(178,  
182, 121) }
```

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