

Converting Colors

Yxy(50.5852, 0.4178, 0.3944)

Have a look what the booklet for
Yxy(50.5852, 0.4178, 0.3944)
contains.

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Color

Yxy(50.5852, 0.4178, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	ECB176
RGB	236, 177, 118
RGB Percent	93%, 69%, 46%
CMY	0.0745, 0.3059, 0.5371
CMYK	0.00, 0.25, 0.50, 0.07
HSL	30°, 76%, 69%
HSV	30°, 50%, 93%
XYZ	53.5865, 50.5852, 24.0870
YIQ	187.9150, 54.1030, -5.8410

Conversions

Conversions Part 2

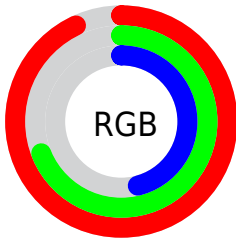
Format	Color
RYB	236, 236, 118
Decimal	15511926
CIELab	76.43, 14.66, 38.40
CIELCh	76, 41.103, 69.099
Yxy	50.5852, 0.4178, 0.3944
Android (android.graphics.Color)	4293702006 (0xFFECB176)
YUV	187.9150, -34.4681, 42.1705
Hunter-Lab	71.1233, 10.0216, 29.7068

Details

The Yxy color **50.5852, 0.4178, 0.3944** is a light color, and the websafe version is hex **CC9966**, and the color name is **middle yellow red**. A complement of this color would be **41.3650, 0.2323, 0.2506**, and the grayscale version is **50.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4781, 0.3692, 0.3917**, and **24.1798, 0.4448, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **45.6320, 0.4451, 0.4052**, and if you desaturate by 10%, it is **56.0870, 0.3921, 0.3817**.

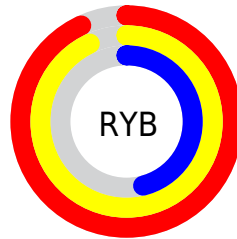
Distribution



Red (93%)

Green (69%)

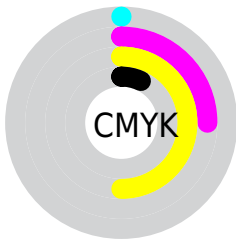
Blue (46%)



Red (93%)

Yellow (93%)

Blue (46%)

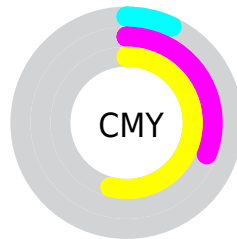


Cyan (0%)

Magenta (25%)

Yellow (50%)

Black (7%)



Cyan (7%)


Magenta (31%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5852, 0.4178, 0.3944 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 Yxy color 50.5852, 0.4178, 0.3944 by changing the saturation by 10% instead.


 50.5852, 0.4178,
0.3944

 50.5852, 0.4178,
0.3944

388.9500, 0.3665,
0.3648


 35.8786, 0.4299,
0.4006


 91.0413, 0.3996,
0.3845

 24.3405, 0.4448,
0.4078


 117.5597, 0.3927,
0.3805

 15.5864, 0.4635,
0.4159


 148.7840, 0.3867,
0.3770

 9.2319, 0.4874,
0.4246

185.0988, 0.3815,
0.3740

 4.8928, 0.5208,
0.4347

226.8884, 0.3770,
0.3713

 2.1845, 0.5618,
0.4382

274.5372, 0.3731,

 0.7115, 0.5959,

0.3689

0.4041

328.4296, 0.3696,
0.3667

0.0000, 0.0000,
0.0000

50.5852, 0.4178,
0.3944

50.5852, 0.4178,
0.3944

45.6320, 0.4451,
0.4052

56.0870, 0.3921,
0.3817

41.1991, 0.4729,
0.4129

62.1493, 0.3685,
0.3682

37.2663, 0.4995,
0.4162


68.7929, 0.3475,
0.3547

33.8080, 0.5232,
0.4141

76.0349, 0.3289,
0.3415

30.7880, 0.5430,
0.4070

83.8916, 0.3127,
0.3290

 30.7850, 0.5430,
0.4070

 92.0770, 0.3012,
0.3219

 96.5735, 0.3011,
0.3290

Harmonies

Analogous

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



50.5852, 0.4221, 0.3525



50.5852, 0.4178, 0.3944



50.5852, 0.3841, 0.4245

Triad

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



50.5852, 0.4178, 0.3944



50.5852, 0.2361, 0.3429



50.5852, 0.2849, 0.2481

Complementary

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



50.5852, 0.4178, 0.3944



41.3650, 0.2323, 0.2506

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.



50.5852, 0.2405, 0.2411



50.5852, 0.4178, 0.3944



50.5852, 0.2144, 0.2897

Square

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



50.5852, 0.4178, 0.3944



50.5852, 0.2787, 0.3974



50.5852, 0.2161, 0.2544



50.5852, 0.3413, 0.2724

Rectangle

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



50.5852, 0.4178, 0.3944



50.5852, 0.3510, 0.4309



50.5852, 0.2161, 0.2544



50.5852, 0.2682, 0.2437

Sweetspot

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



50.5877, 0.4178, 0.3944



86.1734, 0.3381, 0.3481



34.0507, 0.3789, 0.2622



18.0572, 0.3420, 0.3509



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.5877, 0.4178, 0.3944



54.2531, 0.4458, 0.4055



78.0091, 0.3868, 0.4484



16.2982, 0.3280, 0.3408



17.2278, 0.5405, 0.4090



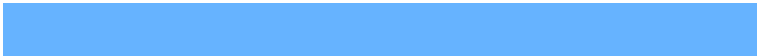
1.5452, 0.5193, 0.4259

Inverse Universe

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



41.3650, 0.2323, 0.2506



42.0913, 0.2170, 0.2309



23.3411, 0.2173, 0.1729



15.7936, 0.2981, 0.3169



10.7427, 0.1772, 0.1580



1.0360, 0.1842, 0.1831

Previews

White Background



This preview shows how the Yxy color 50.5852, 0.4178, 0.3944 looks on a white background.

Color Contrast Check

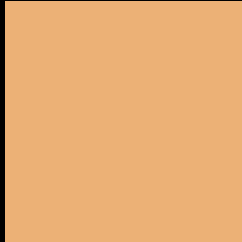
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 50.5852, 0.4178, 0.3944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

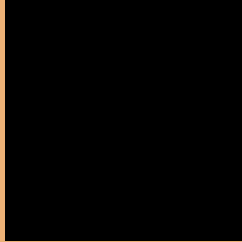
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5852, 0.4178, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 50.5852, 0.4178, 0.3944.



This preview shows how white text looks on a background with the Yxy color 50.5852, 0.4178, 0.3944.

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

50.5852, 0.4178, 0.3944

Protanopia

50.8044, 0.3792, 0.4103

Deuteranopia

50.4209, 0.4096, 0.4008



Tritanopia

50.6306, 0.3685, 0.3149

Trichromacy



Original Color

50.5852, 0.4178, 0.3944

Protanomaly

50.6773, 0.3927, 0.4052

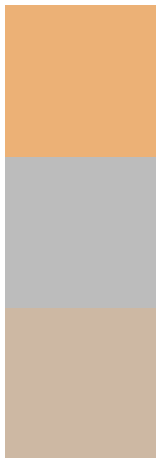
Deuteranomaly

50.5135, 0.4129, 0.3989

Tritanomaly

50.5335, 0.3873, 0.3437

Monochromacy



Original Color

50.5852, 0.4178, 0.3944

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9045, 0.3482, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5852, 0.4178, 0.3944 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(236, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 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(236, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 118) }
```

Border

The CSS property to change the border of an element to Yxy 50.5852, 0.4178, 0.3944 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(236, 177, 118) }
```

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

```
.border{ border-color:rgb(236, 177, 118) }
```

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

Here you see how a box with a 4 pixel rgb(236, 177, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5852, 0.4178, 0.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 118) }
```

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

```
.background{ background-color: rgb(236,  
177, 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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