

Converting Colors

$Y_{xy}(50.1597, 0.3586, 0.4372)$

Have a look what the booklet for
Yxy(50.1597, 0.3586, 0.4372)
contains.

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Color

Yxy(50.1597, 0.3586, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	B2C472
RGB	178, 196, 114
RGB Percent	70%, 77%, 45%
CMY	0.3018, 0.2314, 0.5530
CMYK	0.09, 0.00, 0.42, 0.23
HSL	73°, 41%, 61%
HSV	73°, 42%, 77%
XYZ	41.1420, 50.1597, 23.4277
YIQ	181.2700, 15.5940, -29.3180

Conversions

Conversions Part 2

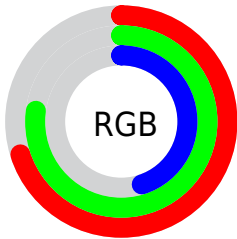
Format	Color
RYB	114, 196, 132
Decimal	11715698
CIELab	76.17, -19.05, 39.06
CIElCh	76, 43.459, 115.992
Yxy	50.1597, 0.3586, 0.4372
Android (android.graphics.Color)	4289905778 (0xFFB2C472)
YUV	181.2700, -33.1641, -2.8678
Hunter-Lab	70.8235, -20.2490, 29.9639

Details

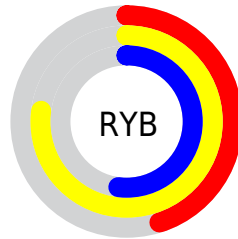
The Yxy color **50.1597, 0.3586, 0.4372** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.9181, 0.2515, 0.2065**, and the grayscale version is **46.5418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7027, 0.3517, 0.4178**, and **24.0013, 0.3679, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **49.2624, 0.3676, 0.4623**, and if you desaturate by 10%, it is **51.1730, 0.3483, 0.4109**.

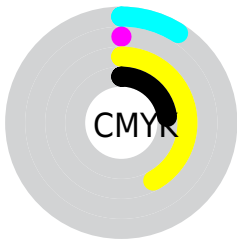
Distribution



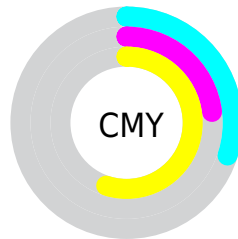
- Red (70%)
- Green (77%)
- Blue (45%)



- Red (45%)
- Yellow (77%)
- Blue (52%)



- Cyan (9%)
- Magenta (0%)
- Yellow (42%)
- Black (23%)





- Cyan (30%)
- Magenta (23%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1597, 0.3586, 0.4372 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 50.1597, 0.3586, 0.4372 by changing the saturation by 10% instead.


 50.1597, 0.3586,
0.4372


 50.1597, 0.3586,
0.4372


387.2901, 0.3378,
0.3826

 35.5403, 0.3629,
0.4507


 90.4115, 0.3517,
0.4174

 24.0794, 0.3678,
0.4677


 116.8126, 0.3489,
0.4099

 15.3925, 0.3732,
0.4899


 147.9098, 0.3464,
0.4036

 9.0953, 0.3784,
0.5192

184.0874, 0.3443,
0.3982

 4.8034, 0.3853,
0.5650

225.7299, 0.3424,
0.3935

 2.1324, 0.3789,
0.6211

273.2215, 0.3407,

 0.6827, 0.2123,

0.3894

0.7877

326.9468, 0.3392,
0.3858

0.0000, 0.0000,
0.0000

50.1597, 0.3586,
0.4372

50.1597, 0.3586,
0.4372

49.2624, 0.3676,
0.4623

51.1730, 0.3483,
0.4109

48.4680, 0.3749,
0.4850

52.3014, 0.3373,
0.3843

47.7719, 0.3799,
0.5044


53.5524, 0.3260,
0.3583

47.1659, 0.3824,
0.5195

54.9309, 0.3148,
0.3334

46.6404, 0.3824,
0.5299

56.4417, 0.3039,
0.3101

 46.2571, 0.3809,
0.5358

 58.0892, 0.2935,
0.2886

 59.8775, 0.2838,
0.2688

 60.7520, 0.2844,
0.2656

 61.4001, 0.2875,
0.2662

Harmonies

Analogous

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



50.1597, 0.4067, 0.4182



50.1597, 0.3586, 0.4372



50.1597, 0.3007, 0.4208

Triad

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



50.1597, 0.3586, 0.4372



50.1597, 0.2072, 0.2634



50.1597, 0.3760, 0.2899

Complementary

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



50.1597, 0.3586, 0.4372



20.9181, 0.2515, 0.2065

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.



50.1597, 0.3160, 0.2563



50.1597, 0.3586, 0.4372



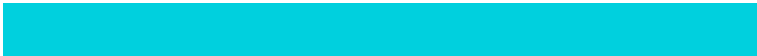
50.1597, 0.2225, 0.2396

Square

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



50.1597, 0.3586, 0.4372



50.1597, 0.2160, 0.3100



50.1597, 0.2605, 0.2381



50.1597, 0.4195, 0.3331

Rectangle

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



50.1597, 0.3586, 0.4372



50.1597, 0.2646, 0.3898



50.1597, 0.2605, 0.2381



50.1597, 0.3567, 0.2773

Sweetspot

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



50.1619, 0.3586, 0.4372



96.6946, 0.3275, 0.3618



29.3859, 0.4089, 0.3532



20.5851, 0.3301, 0.3675



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.



50.1619, 0.3586, 0.4372



89.4078, 0.3667, 0.4597



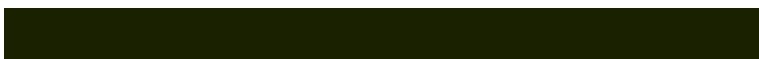
46.0303, 0.3241, 0.4503



11.6435, 0.3232, 0.3520



29.7622, 0.3815, 0.5353



1.3142, 0.3904, 0.5282

Inverse Universe

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



20.9181, 0.2515, 0.2065



29.5393, 0.2352, 0.1768



24.8735, 0.2926, 0.2195



9.8520, 0.3017, 0.3054



2.9215, 0.1623, 0.0667



0.1575, 0.1851, 0.0793

Previews

White Background



This preview shows how the Yxy color 50.1597, 0.3586, 0.4372 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 50.1597, 0.3586, 0.4372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

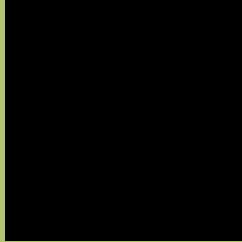
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1597, 0.3586, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 50.1597, 0.3586, 0.4372.



This preview shows how white text looks on a background with the Yxy color 50.1597, 0.3586, 0.4372.

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

50.1597, 0.3586, 0.4372

Protanopia

50.0933, 0.3887, 0.4231

Deuteranopia

49.7170, 0.4076, 0.3992



Tritanopia

50.1537, 0.3038, 0.3104

Trichromacy



Original Color

50.1597, 0.3586, 0.4372

Protanomaly

50.0336, 0.3774, 0.4285

Deuteranomaly

49.5376, 0.3894, 0.4117

Tritanomaly

50.0058, 0.3247, 0.3562

Monochromacy



Original Color

50.1597, 0.3586, 0.4372

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2554, 0.3305, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1597, 0.3586, 0.4372 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, 196, 114)` looks like.

```
.text, #text, p{  
    color:rgb(178, 196, 114)  
}
```

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, 196, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 196, 114) }
```

Border

The CSS property to change the border of an element to Yxy 50.1597, 0.3586, 0.4372 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, 196, 114) }
```

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

```
.border{ border-color:rgb(178, 196, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 196, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 196, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 196, 114);  
box-shadow:4px 4px 4px 4px rgb(178, 196,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1597, 0.3586, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 196, 114) }
```

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

```
.background{ background-color: rgb(178,  
196, 114) }
```

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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