

Converting Colors

$Yxy(66.8016, 0.3576, 0.4774)$

Have a look what the booklet for
Yxy(66.8016, 0.3576, 0.4774)
contains.

Yxy(66.6564, 0.3577, 0.4772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6564, 0.3577, 0.4772)

Conversions

Conversions Part 1

Format	Color
Hex	B8E467
RGB	184, 228, 103
RGB Percent	72%, 89%, 40%
CMY	0.2783, 0.1059, 0.5961
CMYK	0.19, 0.00, 0.55, 0.11
HSL	81°, 70%, 65%
HSV	81°, 55%, 89%
XYZ	49.9644, 66.6564, 23.0615
YIQ	200.5940, 13.9010, -48.2030

Conversions

Conversions Part 2

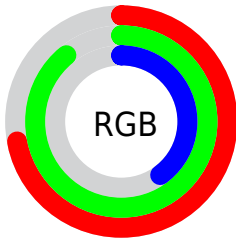
Format	Color
RYB	103, 228, 147
Decimal	12117095
CIELab	85.33, -33.24, 55.49
CIElCh	85, 64.682, 120.920
Yxy	66.6564, 0.3577, 0.4772
Android (android.graphics.Color)	4290307175 (0xFFB8E467)
YUV	200.5940, -48.1138, -14.5529
Hunter-Lab	81.6434, -33.6369, 40.4029

Details

The Yxy color **66.6564, 0.3577, 0.4772** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.4993, 0.2407, 0.1676**, and the grayscale version is **58.4458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8316, 0.3616, 0.4278**, and **34.3160, 0.3625, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **65.2996, 0.3619, 0.5017**, and if you desaturate by 10%, it is **68.2000, 0.3515, 0.4502**.

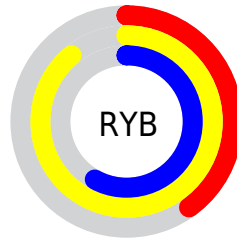
Distribution



Red (72%)

Green (89%)

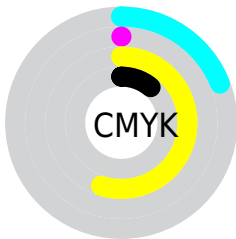
Blue (40%)



Red (40%)

Yellow (89%)

Blue (58%)

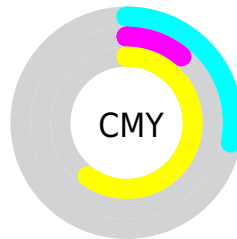


Cyan (19%)

Magenta (0%)

Yellow (55%)

Black (11%)



Cyan (28%)


Magenta (11%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6564, 0.3577, 0.4772 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 66.6564, 0.3577, 0.4772 by changing the saturation by 10% instead.


 66.6564, 0.3577,
0.4772


 66.6564, 0.3577,
0.4772


448.7207, 0.3406,
0.4054

 48.8054, 0.3602,
0.4938


 114.4279, 0.3528,
0.4520

 34.4652, 0.3624,
0.5141


 145.1173, 0.3506,
0.4422

 23.2512, 0.3637,
0.5393

 180.8549, 0.3485,
0.4339

 14.7791, 0.3625,
0.5708

 222.0252, 0.3466,
0.4266

 8.6645, 0.3585,
0.6146

269.0125, 0.3449,
0.4203

 4.5230, 0.3384,
0.6616

322.2013, 0.3433,

 1.9702, 0.2892,

0.4147

0.7108

381.9759, 0.3419,
0.4098

■ 0.5901, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.6564, 0.3577,
0.4772

■ 66.6564, 0.3577,
0.4772

■ 65.2996, 0.3619,
0.5017

■ 68.2000, 0.3515,
0.4502

■ 64.1095, 0.3638,
0.5225


■ 69.9318, 0.3439,
0.4221

■ 63.0760, 0.3632,
0.5386

■ 71.8638, 0.3353,
0.3940

■ 62.1832, 0.3602,
0.5497

■ 74.0048, 0.3263,
0.3667

 61.7641, 0.3580,
0.5539

 76.3626, 0.3171,
0.3408

 78.9447, 0.3081,
0.3168

 81.2597, 0.3040,
0.3021

 82.6956, 0.3093,
0.3025

 83.9657, 0.3139,
0.3029

Harmonies

Analogous

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



66.6564, 0.4259, 0.4513



66.6564, 0.3577, 0.4772



66.6564, 0.2815, 0.4489

Triad

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



66.6564, 0.3577, 0.4772



66.6564, 0.1773, 0.2334



66.6564, 0.4100, 0.2851

Complementary

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



66.6564, 0.3577, 0.4772



21.4993, 0.2407, 0.1676

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.



66.6564, 0.3293, 0.2405



66.6564, 0.3577, 0.4772



66.6564, 0.2012, 0.2102

Square

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



66.6564, 0.3577, 0.4772



66.6564, 0.1823, 0.2883



66.6564, 0.2533, 0.2139



66.6564, 0.4630, 0.3403

Rectangle

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



66.6564, 0.3577, 0.4772



66.6564, 0.2366, 0.3999



66.6564, 0.2533, 0.2139



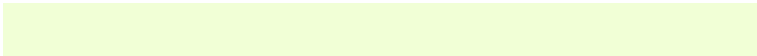
66.6564, 0.3845, 0.2686

Sweetspot

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



66.6594, 0.3577, 0.4772



95.0246, 0.3275, 0.3701



38.2607, 0.4441, 0.3790



20.2136, 0.3293, 0.3757



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.



66.6594, 0.3577, 0.4772



83.9135, 0.3624, 0.5053



60.5836, 0.3148, 0.4996



16.5503, 0.3214, 0.3526



35.7341, 0.3589, 0.5532



2.6920, 0.3678, 0.5461

Inverse Universe

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



21.4993, 0.2407, 0.1676



20.0889, 0.2217, 0.1338



28.8917, 0.3000, 0.1917



14.1324, 0.3035, 0.3051



4.2839, 0.1773, 0.0750



0.3670, 0.1935, 0.0840

Previews

White Background



This preview shows how the Yxy color 66.6564, 0.3577, 0.4772 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 66.6564, 0.3577, 0.4772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

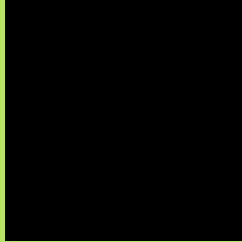
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6564, 0.3577, 0.4772

Background



This preview shows how black text looks on a background with the Yxy color 66.6564, 0.3577, 0.4772.



This preview shows how white text looks on a background with the Yxy color 66.6564, 0.3577, 0.4772.

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**

66.6564, 0.3577, 0.4772

Protanopia

66.3032, 0.4092, 0.4478

Deuteranopia

66.0574, 0.4095, 0.4046



Tritanopia

66.1420, 0.2917, 0.3098

Trichromacy



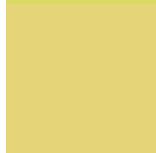
Original Color

66.6564, 0.3577, 0.4772



Protanomaly

65.8146, 0.3899, 0.4583



Deuteranomaly

65.6026, 0.3904, 0.4305



Tritanomaly

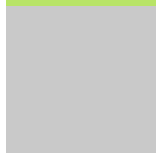
65.5931, 0.3179, 0.3709

Monochromacy



Original Color

66.6564, 0.3577, 0.4772



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.9072, 0.3327, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6564, 0.3577, 0.4772 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(184, 228, 103)` looks like.

```
.text, #text, p{  
    color:rgb(184, 228, 103)  
}
```

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(184, 228, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 228, 103) }
```

Border

The CSS property to change the border of an element to Yxy 66.6564, 0.3577, 0.4772 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(184, 228, 103) }
```

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

```
.border{ border-color:rgb(184, 228, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 228, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 228, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 228, 103); box-shadow:4px 4px 4px 4px rgb(184, 228, 103) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6564, 0.3577, 0.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 228, 103) }
```

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

```
.background{ background-color: rgb(184,  
228, 103) }
```

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