

Converting Colors

Yxy(54.2550, 0.3194, 0.4697)

Have a look what the booklet for
Yxy(54.2550, 0.3194, 0.4697)
contains.

Yxy(54.3764, 0.3189, 0.4697)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.3764, 0.3189, 0.4697)

Conversions

Conversions Part 1

Format	Color
Hex	86D672
RGB	134, 214, 114
RGB Percent	53%, 84%, 45%
CMY	0.4744, 0.1608, 0.5529
CMYK	0.37, 0.00, 0.47, 0.16
HSL	108°, 55%, 64%
HSV	108°, 47%, 84%
XYZ	36.9185, 54.3764, 24.4734
YIQ	178.6800, -15.5800, -48.0600

Conversions

Conversions Part 2

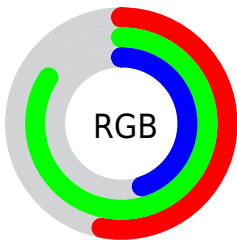
Format	Color
RYB	114, 214, 194
Decimal	8836722
CIELab	78.68, -43.29, 41.64
CIElCh	79, 60.068, 136.114
Yxy	54.3764, 0.3189, 0.4697
Android (android.graphics.Color)	4287026802 (0xFF86D672)
YUV	178.6800, -31.8872, -39.1844
Hunter-Lab	73.7404, -39.6786, 31.9407

Details

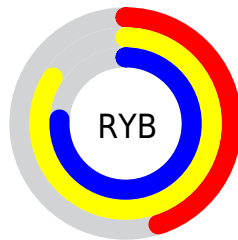
The Yxy color **54.3764, 0.3189, 0.4697** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **28.3619, 0.2977, 0.2090**, and the grayscale version is **45.0834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2572, 0.3217, 0.4287**, and **26.8174, 0.3156, 0.5123** is the 20% darker color. If you saturate the color by 10%, you get **52.6521, 0.3185, 0.5031**, and if you desaturate by 10%, it is **56.4470, 0.3185, 0.4359**.

Distribution



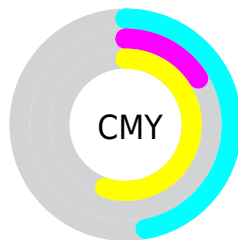
- Red (53%)
- Green (84%)
- Blue (45%)



- Red (45%)
- Yellow (84%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (47%)
- Black (16%)





- Cyan (47%)
- Magenta (16%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.3764, 0.3189, 0.4697 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 54.3764, 0.3189, 0.4697 by changing the saturation by 10% instead.


 54.3764, 0.3189,
0.4697


 54.3764, 0.3189,
0.4697


403.5437, 0.3191,
0.3970


 38.9027, 0.3177,
0.4882


 96.6267, 0.3198,
0.4429

 26.6840, 0.3155,
0.5119


 124.1720, 0.3199,
0.4330

 17.3361, 0.3112,
0.5432


 156.5100, 0.3199,
0.4246

 10.4744, 0.3030,
0.5860

194.0251, 0.3197,
0.4175

 5.7146, 0.2878,
0.6501

237.1016, 0.3196,
0.4113

 2.6723, 0.2541,
0.7459

286.1239, 0.3194,

 0.9632, 0.0000,

0.4059

1.0000

341.4765, 0.3193,
0.4012

0.0000, 0.0000,
0.0000

54.3764, 0.3189,
0.4697

54.3764, 0.3189,
0.4697

52.6521, 0.3185,
0.5031

56.4470, 0.3185,
0.4359

51.2481, 0.3170,
0.5341

58.8745, 0.3174,
0.4034

50.1459, 0.3146,
0.5603


61.6775, 0.3159,
0.3732

49.3218, 0.3113,
0.5799


64.8711, 0.3140,
0.3458

48.7476, 0.3075,
0.5920

68.4698, 0.3121,
0.3213

 48.6030, 0.3064,
0.5949

 72.4873, 0.3100,
0.2997

 76.3555, 0.3138,
0.2890

 76.5733, 0.3146,
0.2891

Harmonies

Analogous

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



54.3764, 0.3932, 0.4688



54.3764, 0.3189, 0.4697



54.3764, 0.2469, 0.4126

Triad

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



54.3764, 0.3189, 0.4697



54.3764, 0.1865, 0.2186



54.3764, 0.4415, 0.3124

Complementary

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



54.3764, 0.3189, 0.4697



28.3619, 0.2977, 0.2090

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.



54.3764, 0.3712, 0.2616



54.3764, 0.3189, 0.4697



54.3764, 0.2246, 0.2096

Square

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



54.3764, 0.3189, 0.4697



54.3764, 0.1768, 0.2568



54.3764, 0.2898, 0.2253



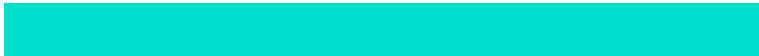
54.3764, 0.4704, 0.3698

Rectangle

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



54.3764, 0.3189, 0.4697



54.3764, 0.2102, 0.3555



54.3764, 0.2898, 0.2253



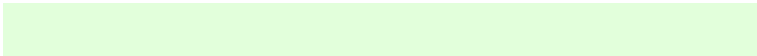
54.3764, 0.4214, 0.2943

Sweetspot

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



54.3787, 0.3189, 0.4697



92.8908, 0.3154, 0.3658



53.3589, 0.3923, 0.4213



19.6706, 0.3158, 0.3720



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.



54.3787, 0.3189, 0.4697



78.3372, 0.3185, 0.5026



53.6351, 0.2901, 0.4335



14.0144, 0.3146, 0.3529



29.4124, 0.3071, 0.5943



1.8093, 0.3187, 0.5852

Inverse Universe

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



28.3619, 0.2977, 0.2090



35.0903, 0.2931, 0.1857



29.8656, 0.3483, 0.2443



12.5014, 0.3106, 0.3058



8.2246, 0.2710, 0.1267



0.5287, 0.2801, 0.1317

Previews

White Background



This preview shows how the Yxy color 54.3764, 0.3189, 0.4697 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 54.3764, 0.3189, 0.4697 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 54.3764, 0.3189, 0.4697

Background



This preview shows how black text looks on a background with the Yxy color 54.3764, 0.3189, 0.4697.



This preview shows how white text looks on a background with the Yxy color 54.3764, 0.3189, 0.4697.

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

54.3764, 0.3189, 0.4697

Protanopia

53.7912, 0.3955, 0.4308

Deuteranopia

53.5708, 0.4089, 0.4002



Tritanopia

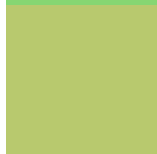
54.0753, 0.2676, 0.3085

Trichromacy



Original Color

54.3764, 0.3189, 0.4697



Protanomaly

53.0894, 0.3645, 0.4451



Deuteranomaly

52.7936, 0.3734, 0.4258



Tritanomaly

53.5489, 0.2868, 0.3643

Monochromacy



Original Color

54.3764, 0.3189, 0.4697



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.8524, 0.3168, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3764, 0.3189, 0.4697 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(134, 214, 114)` looks like.

```
.text, #text, p{  
    color:rgb(134, 214, 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(134, 214, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 214, 114) }
```

Border

The CSS property to change the border of an element to Yxy 54.3764, 0.3189, 0.4697 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(134, 214, 114) }
```

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

```
.border{ border-color:rgb(134, 214, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 214, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 214, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 214, 114);  
box-shadow:4px 4px 4px 4px rgb(134, 214,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3764, 0.3189, 0.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 214, 114) }
```

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

```
.background{ background-color: rgb(134,  
214, 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](#).

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