

Converting Colors

$Yxy(45.4788, 0.3087, 0.4156)$

Have a look what the booklet for
Yxy(45.4788, 0.3087, 0.4156)
contains.

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Color

Yxy(45.5954, 0.3087, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	88C288
RGB	136, 194, 136
RGB Percent	53%, 76%, 53%
CMY	0.4665, 0.2392, 0.4667
CMYK	0.30, 0.00, 0.30, 0.24
HSL	120°, 32%, 65%
HSV	120°, 30%, 76%
XYZ	33.8919, 45.5954, 30.3018
YIQ	170.0460, -15.9500, -30.3340

Conversions

Conversions Part 2

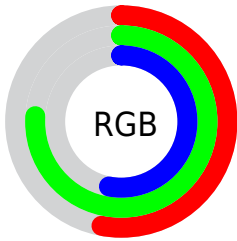
Format	Color
RYB	136, 194, 194
Decimal	8962696
CIELab	73.28, -30.28, 23.36
CIELCh	73, 38.241, 142.351
Yxy	45.5954, 0.3087, 0.4153
Android (android.graphics.Color)	4287152776 (0xFF88C288)
YUV	170.0460, -16.7847, -29.8583
Hunter-Lab	67.5244, -28.5748, 20.6605

Details

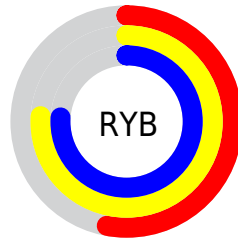
The Yxy color **45.5954, 0.3087, 0.4153** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.9634, 0.3161, 0.2555**, and the grayscale version is **40.3172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7884, 0.3101, 0.3980**, and **21.3129, 0.3055, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **43.6153, 0.3071, 0.4499**, and if you desaturate by 10%, it is **47.9727, 0.3102, 0.3832**.

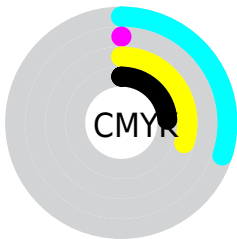
Distribution



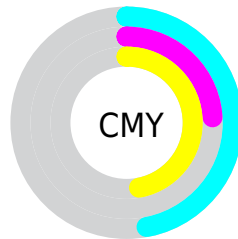
- Red (53%)
- Green (76%)
- Blue (53%)



- Red (53%)
- Yellow (76%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)




- Cyan (47%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5954, 0.3087, 0.4153 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 45.5954, 0.3087, 0.4153 by changing the saturation by 10% instead.


 45.5954, 0.3087,
0.4153


 45.5954, 0.3087,
0.4153


369.1796, 0.3119,
0.3699

 31.9267, 0.3075,
0.4273


 83.6132, 0.3102,
0.3983

 21.3055, 0.3056,
0.4432


 108.7310, 0.3106,
0.3921

 13.3475, 0.3027,
0.4649


 138.4339, 0.3110,
0.3869

 7.6683, 0.2975,
0.4964

173.1064, 0.3112,
0.3824

 3.8834, 0.2872,
0.5457

213.1328, 0.3114,
0.3786

 1.6086, 0.2905,
0.7095

258.8976, 0.3116,

 0.3634, 0.0000,

0.3754

1.0000

310.7850, 0.3118,
0.3725

0.0000, 0.0000,
0.0000

45.5954, 0.3087,
0.4153

45.5954, 0.3087,
0.4153

43.6153, 0.3071,
0.4499

47.9727, 0.3102,
0.3832

42.0055, 0.3054,
0.4857

50.7611, 0.3115,
0.3542

40.7447, 0.3038,
0.5203

53.9809, 0.3127,
0.3288

39.8070, 0.3023,
0.5511

57.6492, 0.3138,
0.3067

39.1630, 0.3012,
0.5754

61.7824, 0.3146,
0.2876

■ 38.7781, 0.3004,
0.5914

■ 66.3958, 0.3154,
0.2713

■ 38.5858, 0.3000,
0.5999

■ 67.0633, 0.3155,
0.2693

■ 38.5842, 0.3000,
0.6000

Harmonies

Analogous

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



45.5954, 0.3612, 0.4266



45.5954, 0.3087, 0.4153



45.5954, 0.2598, 0.3730

Triad

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



45.5954, 0.3087, 0.4153



45.5954, 0.2271, 0.2487



45.5954, 0.4062, 0.3283

Complementary

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



45.5954, 0.3087, 0.4153



32.9634, 0.3161, 0.2555

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.



45.5954, 0.3641, 0.2890



45.5954, 0.3087, 0.4153



45.5954, 0.2599, 0.2447

Square

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



45.5954, 0.3087, 0.4153



45.5954, 0.2156, 0.2737



45.5954, 0.3093, 0.2593



45.5954, 0.4203, 0.3706

Rectangle

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



45.5954, 0.3087, 0.4153



45.5954, 0.2355, 0.3365



45.5954, 0.3093, 0.2593



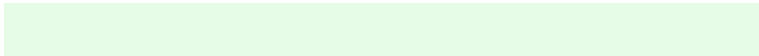
45.5954, 0.3947, 0.3145

Sweetspot

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



45.5973, 0.3087, 0.4153



92.3828, 0.3116, 0.3522



51.4008, 0.3577, 0.4017



20.0542, 0.3115, 0.3562



0.0000, 0.0000, 0.0000



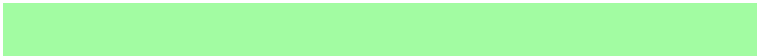
21.4041, 0.3127, 0.3290

Same Dimension

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



45.5973, 0.3087, 0.4153



80.1404, 0.3076, 0.4382



46.4978, 0.2895, 0.3724



11.2592, 0.3116, 0.3528



25.3683, 0.3000, 0.6000



1.0962, 0.3001, 0.5999

Inverse Universe

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



32.9634, 0.3161, 0.2555



53.5125, 0.3169, 0.2396



31.8258, 0.3450, 0.2894



10.2471, 0.3138, 0.3063



10.0892, 0.3207, 0.1541



0.4361, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 45.5954, 0.3087, 0.4153 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 45.5954, 0.3087, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

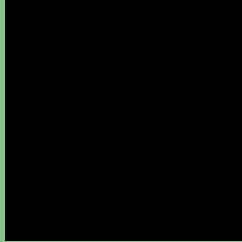
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5954, 0.3087, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 45.5954, 0.3087, 0.4153.



This preview shows how white text looks on a background with the Yxy color 45.5954, 0.3087, 0.4153.

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

45.5954, 0.3087, 0.4153

Protanopia

45.1626, 0.3674, 0.3944

Deuteranopia

45.1298, 0.3759, 0.3677



Tritanopia

45.6308, 0.2726, 0.3086

Trichromacy



Original Color

45.5954, 0.3087, 0.4153

Protanomaly

44.7176, 0.3437, 0.4011

Deuteranomaly

44.5739, 0.3493, 0.3843

Tritanomaly

45.4988, 0.2861, 0.3459

Monochromacy



Original Color

45.5954, 0.3087, 0.4153

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.9779, 0.3113, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5954, 0.3087, 0.4153 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(136, 194, 136)` looks like.

```
.text, #text, p{  
    color:rgb(136, 194, 136)  
}
```

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(136, 194, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 194, 136) }
```

Border

The CSS property to change the border of an element to Yxy 45.5954, 0.3087, 0.4153 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(136, 194, 136) }
```

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

```
.border{ border-color:rgb(136, 194, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 194, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 194, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 194, 136);  
box-shadow:4px 4px 4px 4px rgb(136, 194,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5954, 0.3087, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 194, 136) }
```

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

```
.background{ background-color: rgb(136,  
194, 136) }
```

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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