

Converting Colors

$Yxy(46.7039, 0.2751, 0.3989)$

Have a look what the booklet for
Yxy(46.7039, 0.2751, 0.3989)
contains.

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Color

Yxy(46.5587, 0.2748, 0.3979)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 67C89B |
| RGB | 103, 200, 155 |
| RGB Percent | 40%, 78%, 61% |
| CMY | 0.5965, 0.2156, 0.3922 |
| CMYK | 0.49, 0.00, 0.23, 0.22 |
| HSL | 152°, 47%, 59% |
| HSV | 152°, 49%, 78% |
| XYZ | 32.1546, 46.5587, 38.2977 |
| YIQ | 165.8670, -43.3670, -34.5590 |

Conversions

Conversions Part 2

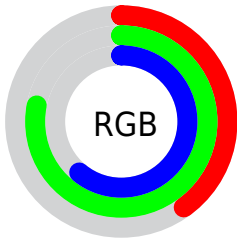
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 103, 166, 200 |
| Decimal | 6801563 |
| CIELab | 73.91, -39.13, 13.83 |
| CIElCh | 74, 41.507, 160.532 |
| Yxy | 46.5587, 0.2748, 0.3979 |
| Android (android.graphics.Color) | 4284991643 (0xFF67C89B) |
| YUV | 165.8670, -5.3574, -55.1344 |
| Hunter-Lab | 68.2339, -35.2928, 14.4860 |

Details

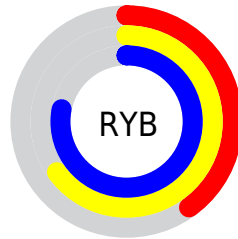
The Yxy color **46.5587, 0.2748, 0.3979** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.0978, 0.3823, 0.2709**, and the grayscale version is **38.0965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5441, 0.2816, 0.3813**, and **21.7857, 0.2626, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **45.2176, 0.2699, 0.4154**, and if you desaturate by 10%, it is **48.2103, 0.2811, 0.3813**.

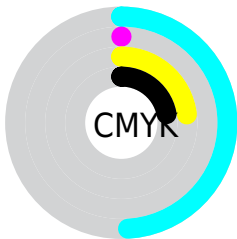
Distribution



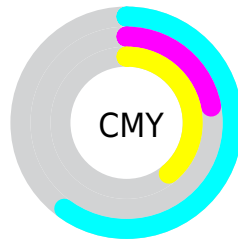
- Red (40%)
- Green (78%)
- Blue (61%)



- Red (40%)
- Yellow (65%)
- Blue (78%)



- Cyan (49%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (60%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5587, 0.2748, 0.3979 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 46.5587, 0.2748, 0.3979 by changing the saturation by 10% instead.

 46.5587, 0.2748,
0.3979

 46.5587, 0.2748,
0.3979

373.0503, 0.2945,
0.3619


 32.6869, 0.2697,
0.4074


 85.0545, 0.2821,
0.3844


 21.8867, 0.2629,
0.4199


 110.4474, 0.2848,
0.3795

 13.7737, 0.2537,
0.4371


 140.4494, 0.2871,
0.3754

 7.9634, 0.2405,
0.4621

 175.4449, 0.2890,
0.3719

 4.0716, 0.2198,
0.5016

215.8183, 0.2907,
0.3688

 1.7137, 0.1733,
0.5847

261.9541, 0.2921,

 0.4325, 0.0000,

0.3662

1.0000

314.2366, 0.2934,
0.3639

0.0000, 0.0000,
0.0000

46.5587, 0.2748,
0.3979

46.5587, 0.2748,
0.3979

45.2176, 0.2699,
0.4154

48.2103, 0.2811,
0.3813

44.1603, 0.2667,
0.4334

50.1856, 0.2885,
0.3659

43.3648, 0.2655,
0.4516


52.5042, 0.2966,
0.3517

42.8032, 0.2663,
0.4695


55.1819, 0.3052,
0.3389

42.4315, 0.2688,
0.4867

58.2341, 0.3140,
0.3274

 42.3843, 0.2692,
0.4891

 61.6749, 0.3229,
0.3172

 65.5178, 0.3316,
0.3082

 68.2438, 0.3340,
0.2997

 68.7763, 0.3271,
0.2907

Harmonies

Analogous

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



46.5587, 0.3306, 0.4318



46.5587, 0.2748, 0.3979



46.5587, 0.2317, 0.3404

Triad

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



46.5587, 0.2748, 0.3979



46.5587, 0.2397, 0.2380



46.5587, 0.4269, 0.3552

Complementary

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



46.5587, 0.2748, 0.3979



24.0978, 0.3823, 0.2709

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.



46.5587, 0.3986, 0.3105



46.5587, 0.2748, 0.3979



46.5587, 0.2864, 0.2462

Square

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



46.5587, 0.2748, 0.3979



46.5587, 0.2135, 0.2505



46.5587, 0.3451, 0.2721



46.5587, 0.4206, 0.3983

Rectangle

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



46.5587, 0.2748, 0.3979



46.5587, 0.2150, 0.3024



46.5587, 0.3451, 0.2721



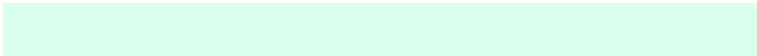
46.5587, 0.4212, 0.3401

Sweetspot

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



46.5606, 0.2748, 0.3979



92.3634, 0.2994, 0.3473



48.6105, 0.3390, 0.4661



19.5654, 0.2976, 0.3501



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.



46.5606, 0.2748, 0.3979



78.2155, 0.2698, 0.4159



46.8814, 0.2484, 0.3242



11.9814, 0.3045, 0.3399



26.9624, 0.2686, 0.4868



1.2912, 0.2585, 0.4507

Inverse Universe

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



24.0978, 0.3823, 0.2709



34.9178, 0.4053, 0.2606



23.5951, 0.4444, 0.3336



10.7174, 0.3218, 0.3183



8.3248, 0.5092, 0.2579



0.4088, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 46.5587, 0.2748, 0.3979 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 46.5587, 0.2748, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

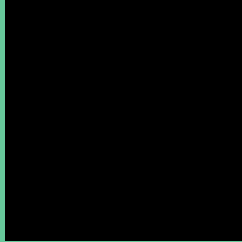
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5587, 0.2748, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 46.5587, 0.2748, 0.3979.



This preview shows how white text looks on a background with the Yxy color 46.5587, 0.2748, 0.3979.

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

46.5587, 0.2748, 0.3979

Protanopia

45.8933, 0.3526, 0.3748

Deuteranopia

45.8244, 0.3523, 0.3454



Tritanopia

46.4759, 0.2504, 0.3079

Trichromacy



Original Color

46.5587, 0.2748, 0.3979



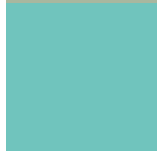
Protanomaly

45.1842, 0.3193, 0.3828



Deuteranomaly

44.6950, 0.3188, 0.3622



Tritanomaly

46.5987, 0.2590, 0.3390

Monochromacy



Original Color

46.5587, 0.2748, 0.3979



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.2891, 0.2956, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5587, 0.2748, 0.3979 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(103, 200, 155)` looks like.

```
.text, #text, p{  
    color:rgb(103, 200, 155)  
}
```

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(103, 200, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 200, 155) }
```

Border

The CSS property to change the border of an element to Yxy 46.5587, 0.2748, 0.3979 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(103, 200, 155) }
```

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

```
.border{ border-color:rgb(103, 200, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 200, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 200, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 200, 155);  
box-shadow:4px 4px 4px 4px rgb(103, 200,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5587, 0.2748, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 200, 155) }
```

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

```
.background{ background-color: rgb(103,  
200, 155) }
```

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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