

Converting Colors

$Y_{xy}(41.3041, 0.2651, 0.3667)$

Have a look what the booklet for
Yxy(41.3041, 0.2651, 0.3667)
contains.

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Color

Yxy(41.2994, 0.2648, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	63BCA4
RGB	99, 188, 164
RGB Percent	39%, 74%, 64%
CMY	0.6117, 0.2627, 0.3568
CMYK	0.47, 0.00, 0.13, 0.26
HSL	164°, 40%, 56%
HSV	164°, 47%, 74%
XYZ	29.8311, 41.2994, 41.5247
YIQ	158.6530, -45.3400, -26.3320

Conversions

Conversions Part 2

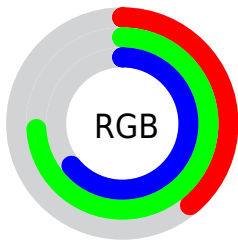
Format	Color
RYB	99, 150, 188
Decimal	6536356
CIELab	70.39, -32.56, 3.90
CIElCh	70, 32.791, 173.164
Yxy	41.2994, 0.2648, 0.3666
Android (android.graphics.Color)	4284726436 (0xFF63BCA4)
YUV	158.6530, 2.6361, -52.3157
Hunter-Lab	64.2646, -29.6048, 6.6749

Details

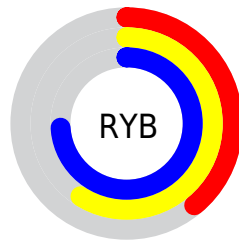
The Yxy color **41.2994, 0.2648, 0.3666** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.0482, 0.4047, 0.2960**, and the grayscale version is **34.5100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3879, 0.2740, 0.3596**, and **18.6915, 0.2506, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **40.1829, 0.2580, 0.3762**, and if you desaturate by 10%, it is **42.6730, 0.2731, 0.3575**.

Distribution



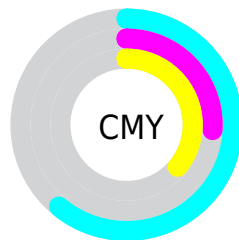
- Red (39%)
- Green (74%)
- Blue (64%)



- Red (39%)
- Yellow (59%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)





- Cyan (61%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2994, 0.2648, 0.3666 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 41.2994, 0.2648, 0.3666 by changing the saturation by 10% instead.

 41.2994, 0.2648,
0.3666


 41.2994, 0.2648,
0.3666


351.5704, 0.2893,
0.3471

 28.5531, 0.2585,
0.3717


 77.1382, 0.2738,
0.3593

 18.7430, 0.2503,
0.3784


 100.9995, 0.2772,
0.3567

 11.4847, 0.2393,
0.3876

 129.3345, 0.2800,
0.3544

 6.3939, 0.2235,
0.4008

 162.5278, 0.2824,
0.3525

 3.0860, 0.1995,
0.4218

200.9636, 0.2845,
0.3509

 1.1768, 0.1214,
0.4796

245.0264, 0.2863,

 0.0426, 0.0000,

0.3495

1.0000

295.1005, 0.2879,
0.3482

0.0000, 0.0000,
0.0000

41.2994, 0.2648,
0.3666

41.2994, 0.2648,
0.3666

40.1829, 0.2580,
0.3762

42.6730, 0.2731,
0.3575

39.3010, 0.2530,
0.3861

44.3145, 0.2826,
0.3490

38.6358, 0.2499,
0.3961


46.2400, 0.2931,
0.3411

38.1643, 0.2488,
0.4062

48.4629, 0.3043,
0.3339

37.8536, 0.2494,
0.4162

50.9958, 0.3158,
0.3273

 37.7821, 0.2497,
0.4189

 53.8505, 0.3275,
0.3215

 57.0383, 0.3393,
0.3163

 60.5696, 0.3508,
0.3117

 61.8616, 0.3512,
0.3068

Harmonies

Analogous

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



41.2994, 0.3084, 0.4040



41.2994, 0.2648, 0.3666



41.2994, 0.2354, 0.3190

Triad

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



41.2994, 0.2648, 0.3666



41.2994, 0.2668, 0.2534



41.2994, 0.4081, 0.3679

Complementary

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



41.2994, 0.2648, 0.3666



21.0482, 0.4047, 0.2960

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.



41.2994, 0.3962, 0.3300



41.2994, 0.2648, 0.3666



41.2994, 0.3113, 0.2670

Square

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



41.2994, 0.2648, 0.3666



41.2994, 0.2367, 0.2570



41.2994, 0.3596, 0.2942



41.2994, 0.3922, 0.4000

Rectangle

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



41.2994, 0.2648, 0.3666



41.2994, 0.2266, 0.2909



41.2994, 0.3596, 0.2942



41.2994, 0.4073, 0.3555

Sweetspot

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



41.3010, 0.2648, 0.3666



84.9937, 0.2965, 0.3388



41.1701, 0.3248, 0.4678



18.0979, 0.2941, 0.3404



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.3010, 0.2648, 0.3666



72.7169, 0.2577, 0.3768



34.5565, 0.2452, 0.2988



10.7644, 0.3020, 0.3353



25.7366, 0.2494, 0.4176



1.0185, 0.2427, 0.3937

Inverse Universe

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



21.0482, 0.4047, 0.2960



31.5132, 0.4383, 0.2901



24.6191, 0.4268, 0.3561



9.5775, 0.3247, 0.3228



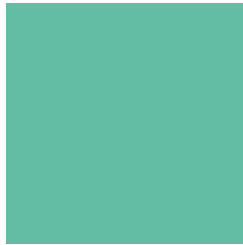
7.4509, 0.5838, 0.2990



0.3032, 0.5134, 0.2602

Previews

White Background



This preview shows how the Yxy color 41.2994, 0.2648, 0.3666 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 41.2994, 0.2648, 0.3666 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 41.2994, 0.2648, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 41.2994, 0.2648, 0.3666.



This preview shows how white text looks on a background with the Yxy color 41.2994, 0.2648, 0.3666.

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

41.2994, 0.2648, 0.3666

Protanopia

40.9574, 0.3329, 0.3511

Deuteranopia

40.8284, 0.3307, 0.3251



Tritanopia

41.1954, 0.2490, 0.3069

Trichromacy



Original Color

41.2994, 0.2648, 0.3666

Protanomaly

40.3025, 0.3037, 0.3569

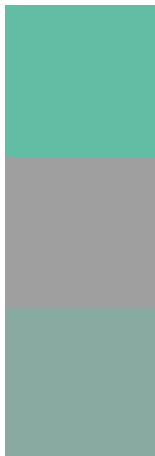
Deuteranomaly

40.1300, 0.3026, 0.3390

Tritanomaly

41.2464, 0.2542, 0.3273

Monochromacy



Original Color

41.2994, 0.2648, 0.3666

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.6410, 0.2911, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2994, 0.2648, 0.3666 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(99, 188, 164)` looks like.

```
.text, #text, p{  
    color:rgb(99, 188, 164)  
}
```

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(99, 188, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 188, 164) }
```

Border

The CSS property to change the border of an element to Yxy 41.2994, 0.2648, 0.3666 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(99, 188, 164) }
```

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

```
.border{ border-color:rgb(99, 188, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 188, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 188, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 188, 164);  
box-shadow:4px 4px 4px 4px rgb(99, 188,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2994, 0.2648, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 188, 164) }
```

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

```
.background{ background-color: rgb(99, 188,  
164) }
```

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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