

Converting Colors

$Yxy(40.5512, 0.2644, 0.3706)$

Have a look what the booklet for
Yxy(40.5512, 0.2644, 0.3706)
contains.

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Color

Yxy(40.5468, 0.2642, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	5FBBA1
RGB	95, 187, 161
RGB Percent	37%, 73%, 63%
CMY	0.6271, 0.2667, 0.3686
CMYK	0.49, 0.00, 0.14, 0.27
HSL	163°, 40%, 55%
HSV	163°, 49%, 73%
XYZ	28.9292, 40.5468, 40.0212
YIQ	156.5280, -46.4860, -27.5900

Conversions

Conversions Part 2

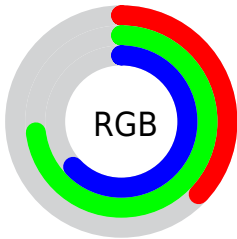
Format	Color
RYB	95, 149, 187
Decimal	6273953
CIELab	69.86, -33.74, 4.76
CIELCh	70, 34.076, 171.962
Yxy	40.5468, 0.2642, 0.3703
Android (android.graphics.Color)	4284464033 (0xFF5FBBA1)
YUV	156.5280, 2.2047, -53.9601
Hunter-Lab	63.6764, -30.3384, 7.3091

Details

The Yxy color **40.5468, 0.2642, 0.3703** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.1457, 0.4082, 0.2932**, and the grayscale version is **33.5093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2385, 0.2733, 0.3624**, and **18.2582, 0.2488, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **39.4807, 0.2578, 0.3804**, and if you desaturate by 10%, it is **41.8644, 0.2721, 0.3606**.

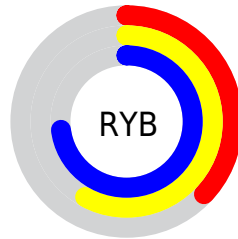
Distribution



Red (37%)

Green (73%)

Blue (63%)



Red (37%)

Yellow (58%)

Blue (73%)

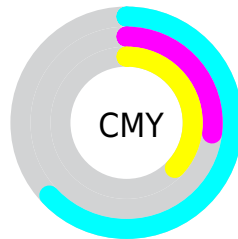


Cyan (49%)

Magenta (0%)

Yellow (14%)

Black (27%)



Cyan (63%)


Magenta (27%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5468, 0.2642, 0.3703 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 40.5468, 0.2642, 0.3703 by changing the saturation by 10% instead.


 40.5468, 0.2642,
0.3703


 40.5468, 0.2642,
0.3703


348.4229, 0.2891,
0.3487

 27.9651, 0.2578,
0.3760


 75.9954, 0.2734,
0.3622

 18.2994, 0.2494,
0.3835


 99.6312, 0.2768,
0.3593

 11.1651, 0.2380,
0.3938


 127.7205, 0.2797,
0.3568

 6.1780, 0.2216,
0.4089

 160.6476, 0.2822,
0.3547

 2.9536, 0.1965,
0.4329

198.7970, 0.2843,
0.3529

 1.1076, 0.0981,
0.5090

242.5531, 0.2861,

 0.0000, 0.0000,

0.3513

0.0000

292.3003, 0.2877,
0.3500

■ 40.5468, 0.2642,
0.3703

■ 40.5468, 0.2642,
0.3703

■ 39.4807, 0.2578,
0.3804

■ 41.8644, 0.2721,
0.3606

■ 38.6437, 0.2533,
0.3909

■ 43.4446, 0.2813,
0.3515

■ 38.0174, 0.2506,
0.4015


■ 45.3034, 0.2915,
0.3431

■ 37.5786, 0.2499,
0.4122


■ 47.4542, 0.3024,
0.3354


■ 37.2850, 0.2509,
0.4227


■ 49.9097, 0.3137,
0.3284

 37.2622, 0.2510,
0.4236

 52.6816, 0.3252,
0.3222

 55.7810, 0.3367,
0.3166

 59.2186, 0.3481,
0.3117

 61.3809, 0.3523,
0.3068

Harmonies

Analogous

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



40.5468, 0.3100, 0.4088



40.5468, 0.2642, 0.3703



40.5468, 0.2329, 0.3203

Triad

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



40.5468, 0.2642, 0.3703



40.5468, 0.2632, 0.2501



40.5468, 0.4125, 0.3678

Complementary

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



40.5468, 0.2642, 0.3703



20.1457, 0.4082, 0.2932

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.



40.5468, 0.3989, 0.3282



40.5468, 0.2642, 0.3703



40.5468, 0.3091, 0.2636

Square

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



40.5468, 0.2642, 0.3703



40.5468, 0.2326, 0.2544



40.5468, 0.3598, 0.2914



40.5468, 0.3968, 0.4018

Rectangle

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



40.5468, 0.2642, 0.3703



40.5468, 0.2233, 0.2906



40.5468, 0.3598, 0.2914



40.5468, 0.4113, 0.3548

Sweetspot

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



40.5484, 0.2642, 0.3703



82.5873, 0.2957, 0.3400



40.4394, 0.3249, 0.4737



18.0128, 0.2934, 0.3417



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.



40.5484, 0.2642, 0.3703



70.5805, 0.2574, 0.3813



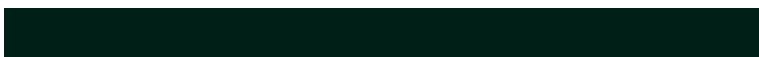
33.6915, 0.2430, 0.2974



10.7623, 0.3021, 0.3356



25.6890, 0.2506, 0.4223



1.0169, 0.2437, 0.3971

Inverse Universe

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



20.1457, 0.4082, 0.2932



29.7921, 0.4425, 0.2872



23.6526, 0.4331, 0.3571



9.5795, 0.3245, 0.3225



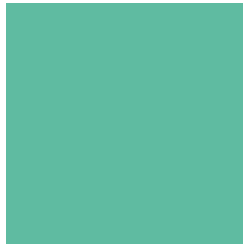
7.4664, 0.5794, 0.2965



0.3041, 0.5089, 0.2577

Previews

White Background



This preview shows how the Yxy color 40.5468, 0.2642, 0.3703 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 40.5468, 0.2642, 0.3703 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 40.5468, 0.2642, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 40.5468, 0.2642, 0.3703.

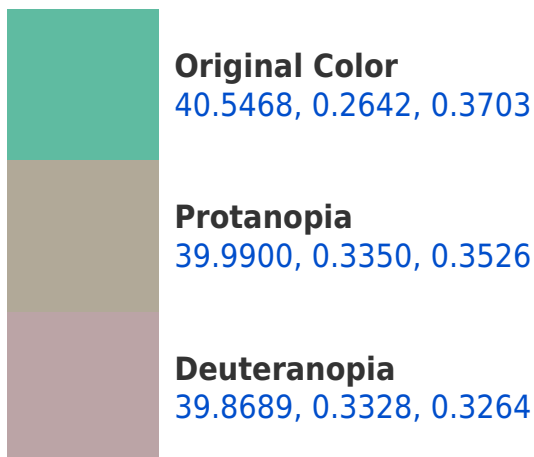


This preview shows how white text looks on a background with the Yxy color 40.5468, 0.2642, 0.3703.

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





Tritanopia

40.5513, 0.2477, 0.3067

Trichromacy



Original Color

40.5468, 0.2642, 0.3703



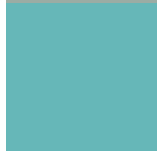
Protanomaly

39.6203, 0.3043, 0.3602



Deuteranomaly

39.0554, 0.3033, 0.3406



Tritanomaly

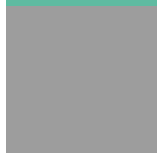
40.5665, 0.2535, 0.3288

Monochromacy



Original Color

40.5468, 0.2642, 0.3703



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.5422, 0.2908, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5468, 0.2642, 0.3703 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(95, 187, 161)` looks like.

```
.text, #text, p{  
    color:rgb(95, 187, 161)  
}
```

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(95, 187, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 187, 161) }
```

Border

The CSS property to change the border of an element to Yxy 40.5468, 0.2642, 0.3703 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(95, 187, 161) }
```

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

```
.border{ border-color:rgb(95, 187, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 187, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 187, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 187, 161);  
box-shadow:4px 4px 4px 4px rgb(95, 187,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5468, 0.2642, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 187, 161) }
```

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

```
.background{ background-color: rgb(95, 187,  
161) }
```

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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