

Converting Colors

$Yxy(40.5353, 0.2565, 0.3653)$

Have a look what the booklet for
Yxy(40.5353, 0.2565, 0.3653)
contains.

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Color

Yxy(40.6143, 0.2568, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	55BCA5
RGB	85, 188, 165
RGB Percent	33%, 74%, 65%
CMY	0.6666, 0.2627, 0.3530
CMYK	0.55, 0.00, 0.12, 0.26
HSL	167°, 43%, 54%
HSV	167°, 55%, 74%
XYZ	28.5200, 40.6143, 41.9248
YIQ	154.5810, -54.0050, -28.9890

Conversions

Conversions Part 2

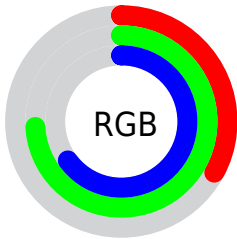
Format	Color
RYB	85, 143, 188
Decimal	5618853
CIELab	69.90, -35.54, 2.61
CIELCh	70, 35.636, 175.799
Yxy	40.6143, 0.2568, 0.3657
Android (android.graphics.Color)	4283808933 (0xFF55BCA5)
YUV	154.5810, 5.1366, -61.0225
Hunter-Lab	63.7293, -31.6446, 5.6062

Details

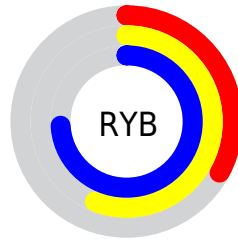
The Yxy color **40.6143, 0.2568, 0.3657** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.2734, 0.4356, 0.2982**, and the grayscale version is **32.5794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2229, 0.2671, 0.3589**, and **18.3136, 0.2401, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **39.6992, 0.2509, 0.3737**, and if you desaturate by 10%, it is **41.7714, 0.2644, 0.3580**.

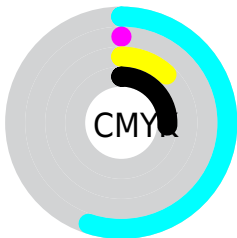
Distribution



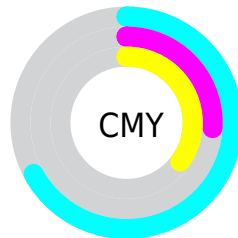
- Red (33%)
- Green (74%)
- Blue (65%)



- Red (33%)
- Yellow (56%)
- Blue (74%)



- Cyan (55%)
- Magenta (0%)
- Yellow (12%)
- Black (26%)




- Cyan (67%)
- Magenta (26%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6143, 0.2568, 0.3657 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 40.6143, 0.2568, 0.3657 by changing the saturation by 10% instead.


 40.6143, 0.2568,
0.3657


 40.6143, 0.2568,
0.3657


348.7060, 0.2854,
0.3467

 28.0178, 0.2495,
0.3706


 76.0980, 0.2673,
0.3587


 18.3391, 0.2400,
0.3771


 99.7541, 0.2712,
0.3561

 11.1937, 0.2272,
0.3859


 127.8655, 0.2745,
0.3539

 6.1973, 0.2091,
0.3985

 160.8166, 0.2773,
0.3520

 2.9654, 0.1817,
0.4182

198.9918, 0.2797,
0.3504

 1.1137, 0.0759,
0.4841

242.7755, 0.2819,

 0.0000, 0.0000,

0.3491

0.0000

292.5521, 0.2837,
0.3478

■ 40.6143, 0.2568,
0.3657

■ 40.6143, 0.2568,
0.3657

■ 39.6992, 0.2509,
0.3737

■ 41.7714, 0.2644,
0.3580

■ 39.0023, 0.2470,
0.3819

■ 43.1825, 0.2735,
0.3506

■ 38.5031, 0.2449,
0.3901

■ 44.8648, 0.2838,
0.3438

■ 38.1752, 0.2448,
0.3982

■ 46.8322, 0.2950,
0.3374

■ 38.0431, 0.2451,
0.4025

■ 49.0980, 0.3069,
0.3316

■ 51.6745, 0.3192,
0.3263

■ 54.5733, 0.3316,
0.3216

■ 57.8054, 0.3440,
0.3174

■ 61.3813, 0.3562,
0.3138

Harmonies

Analogous

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



40.6143, 0.3031, 0.4090



40.6143, 0.2568, 0.3657



40.6143, 0.2269, 0.3133

Triad

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



40.6143, 0.2568, 0.3657



40.6143, 0.2664, 0.2478



40.6143, 0.4165, 0.3741

Complementary

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



40.6143, 0.2568, 0.3657



18.2734, 0.4356, 0.2982

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.



40.6143, 0.4064, 0.3332



40.6143, 0.2568, 0.3657



40.6143, 0.3156, 0.2639

Square

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



40.6143, 0.2568, 0.3657



40.6143, 0.2323, 0.2496



40.6143, 0.3682, 0.2942



40.6143, 0.3964, 0.4084

Rectangle

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



40.6143, 0.2568, 0.3657



40.6143, 0.2188, 0.2835



40.6143, 0.3682, 0.2942



40.6143, 0.4166, 0.3608

Sweetspot

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



40.6159, 0.2568, 0.3657



84.3118, 0.2933, 0.3383



39.8780, 0.3212, 0.4939



17.9674, 0.2909, 0.3396



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.



40.6159, 0.2568, 0.3657



71.6214, 0.2499, 0.3756



30.8914, 0.2348, 0.2845



10.7720, 0.3014, 0.3342



25.9120, 0.2449, 0.4015



1.0242, 0.2394, 0.3820

Inverse Universe

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



18.2734, 0.4356, 0.2982



26.9388, 0.4818, 0.2947



23.0410, 0.4493, 0.3668



9.5704, 0.3254, 0.3239



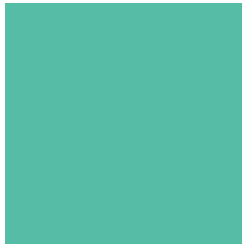
7.4026, 0.5983, 0.3070



0.3001, 0.5302, 0.2694

Previews

White Background



This preview shows how the Yxy color 40.6143, 0.2568, 0.3657 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 40.6143, 0.2568, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

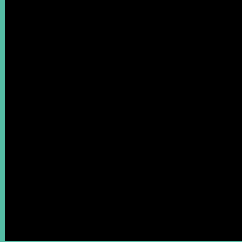
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

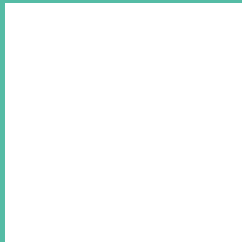
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6143, 0.2568, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 40.6143, 0.2568, 0.3657.



This preview shows how white text looks on a background with the Yxy color 40.6143, 0.2568, 0.3657.

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

40.6143, 0.2568, 0.3657

Protanopia

39.9726, 0.3314, 0.3485

Deuteranopia

39.8923, 0.3282, 0.3211



Tritanopia

40.4310, 0.2422, 0.3065

Trichromacy



Original Color

40.6143, 0.2568, 0.3657



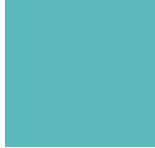
Protanomaly

39.3935, 0.2979, 0.3544



Deuteranomaly

39.1039, 0.2959, 0.3363



Tritanomaly

40.5184, 0.2474, 0.3273

Monochromacy



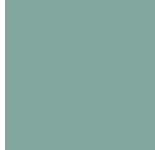
Original Color

40.6143, 0.2568, 0.3657



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.8865, 0.2866, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6143, 0.2568, 0.3657 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(85, 188, 165)` looks like.

```
.text, #text, p{  
    color:rgb(85, 188, 165)  
}
```

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(85, 188, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 188, 165) }
```

Border

The CSS property to change the border of an element to Yxy 40.6143, 0.2568, 0.3657 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(85, 188, 165) }
```

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

```
.border{ border-color:rgb(85, 188, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 188, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 188, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 188, 165);  
box-shadow:4px 4px 4px 4px rgb(85, 188,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6143, 0.2568, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 188, 165) }
```

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

```
.background{ background-color: rgb(85, 188,  
165) }
```

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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