

Converting Colors

$Yxy(40.6377, 0.2643, 0.3603)$

Have a look what the booklet for
Yxy(40.6377, 0.2643, 0.3603)
contains.

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Color

Yxy(40.6377, 0.2643, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	65BAA6
RGB	101, 186, 166
RGB Percent	40%, 73%, 65%
CMY	0.6038, 0.2706, 0.3491
CMYK	0.46, 0.00, 0.11, 0.27
HSL	166°, 38%, 56%
HSV	166°, 46%, 73%
XYZ	29.8100, 40.6377, 42.3408
YIQ	158.3050, -44.2400, -24.2400

Conversions

Conversions Part 2

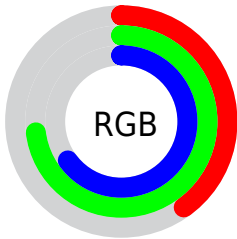
Format	Color
RYB	101, 149, 186
Decimal	6666918
CIELab	69.92, -30.64, 2.16
CIElCh	70, 30.714, 175.969
Yxy	40.6377, 0.2643, 0.3603
Android (android.graphics.Color)	4284856998 (0xFF65BAA6)
YUV	158.3050, 3.7936, -50.2565
Hunter-Lab	63.7477, -28.0875, 5.2434

Details

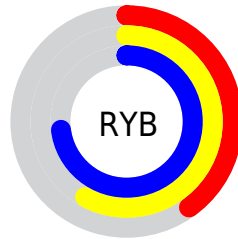
The Yxy color **40.6377, 0.2643, 0.3603** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.1349, 0.4041, 0.3011**, and the grayscale version is **34.3389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3896, 0.2732, 0.3549**, and **18.2529, 0.2497, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **39.5259, 0.2570, 0.3685**, and if you desaturate by 10%, it is **42.0012, 0.2731, 0.3525**.

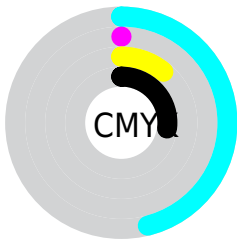
Distribution



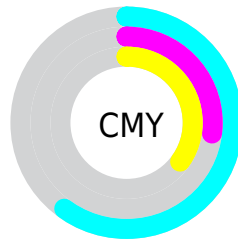
- Red (40%)
- Green (73%)
- Blue (65%)



- Red (40%)
- Yellow (58%)
- Blue (73%)



- Cyan (46%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)




- Cyan (60%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6377, 0.2643, 0.3603 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 40.6377, 0.2643, 0.3603 by changing the saturation by 10% instead.


 40.6377, 0.2643,
0.3603


 40.6377, 0.2643,
0.3603


348.8041, 0.2890,
0.3442


 28.0361, 0.2580,
0.3645


 76.1336, 0.2734,
0.3543


 18.3529, 0.2497,
0.3700


 99.7967, 0.2768,
0.3521

 11.2036, 0.2386,
0.3774


 127.9157, 0.2797,
0.3503

 6.2040, 0.2228,
0.3882

 160.8751, 0.2821,
0.3487

 2.9695, 0.1986,
0.4050

199.0593, 0.2842,
0.3473

 1.1158, 0.1204,
0.4538

242.8526, 0.2860,

 0.0000, 0.0000,

0.3461

0.0000

292.6394, 0.2876,
0.3451

■ 40.6377, 0.2643,
0.3603

■ 40.6377, 0.2643,
0.3603

■ 39.5259, 0.2570,
0.3685

■ 42.0012, 0.2731,
0.3525

■ 38.6444, 0.2514,
0.3770

■ 43.6266, 0.2832,
0.3452

■ 37.9758, 0.2477,
0.3856

■ 45.5294, 0.2942,
0.3384

■ 37.4987, 0.2459,
0.3943


■ 47.7226, 0.3059,
0.3323

■ 37.1858, 0.2460,
0.4030

■ 50.2182, 0.3180,
0.3267

 37.0765, 0.2463,
0.4067

 53.0276, 0.3302,
0.3216

 56.1615, 0.3424,
0.3172

 59.6304, 0.3545,
0.3133

 60.8062, 0.3551,
0.3090

Harmonies

Analogous

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



40.6377, 0.3047, 0.3969



40.6377, 0.2643, 0.3603



40.6377, 0.2379, 0.3158

Triad

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



40.6377, 0.2643, 0.3603



40.6377, 0.2729, 0.2580



40.6377, 0.4022, 0.3693

Complementary

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



40.6377, 0.2643, 0.3603



21.1349, 0.4041, 0.3011

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.



40.6377, 0.3934, 0.3336



40.6377, 0.2643, 0.3603



40.6377, 0.3158, 0.2722

Square

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



40.6377, 0.2643, 0.3603



40.6377, 0.2427, 0.2599



40.6377, 0.3608, 0.2991



40.6377, 0.3853, 0.3983

Rectangle

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



40.6377, 0.2643, 0.3603



40.6377, 0.2307, 0.2901



40.6377, 0.3608, 0.2991



40.6377, 0.4023, 0.3577

Sweetspot

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



40.6393, 0.2643, 0.3603



83.0672, 0.2959, 0.3375



40.2160, 0.3223, 0.4633



18.1146, 0.2934, 0.3389



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.



40.6393, 0.2643, 0.3603



71.6014, 0.2568, 0.3687



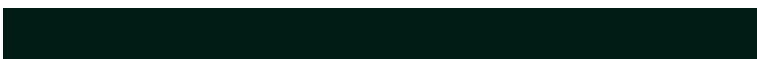
33.1373, 0.2464, 0.2954



10.1735, 0.3016, 0.3344



24.9558, 0.2460, 0.4056



0.8887, 0.2398, 0.3834

Inverse Universe

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



21.1349, 0.4041, 0.3011



31.7668, 0.4373, 0.2960



25.3663, 0.4191, 0.3592



9.0460, 0.3252, 0.3236



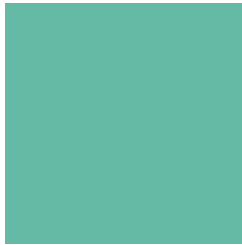
7.1545, 0.5944, 0.3048



0.2621, 0.5208, 0.2643

Previews

White Background



This preview shows how the Yxy color 40.6377, 0.2643, 0.3603 looks on a white background.

Color Contrast Check

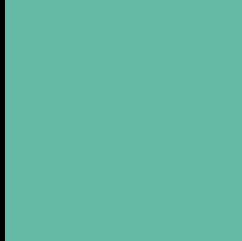
Large Text (above 18pt) WCAG AA × Fail

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 40.6377, 0.2643, 0.3603 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

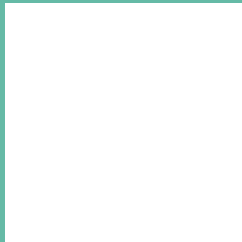
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.6377, 0.2643, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 40.6377, 0.2643, 0.3603.

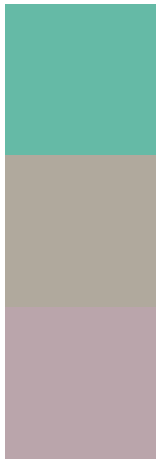


This preview shows how white text looks on a background with the Yxy color 40.6377, 0.2643, 0.3603.

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

40.6377, 0.2643, 0.3603

Protanopia

40.0404, 0.3296, 0.3457

Deuteranopia

40.2896, 0.3272, 0.3211



Tritanopia

40.7564, 0.2505, 0.3082

Trichromacy



Original Color

40.6377, 0.2643, 0.3603

Protanomaly

39.5876, 0.3021, 0.3511

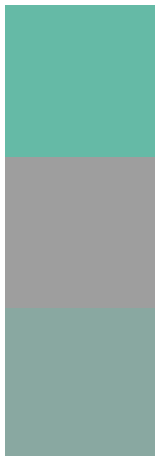
Deuteranomaly

39.7203, 0.3002, 0.3347

Tritanomaly

40.4956, 0.2555, 0.3258

Monochromacy



Original Color

40.6377, 0.2643, 0.3603

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.8968, 0.2910, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6377, 0.2643, 0.3603 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(101, 186, 166)` looks like.

```
.text, #text, p{  
    color:rgb(101, 186, 166)  
}
```

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(101, 186, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 186, 166) }
```

Border

The CSS property to change the border of an element to Yxy 40.6377, 0.2643, 0.3603 is called "border". The border property can be set on classes, ids or directly on the HTML element.

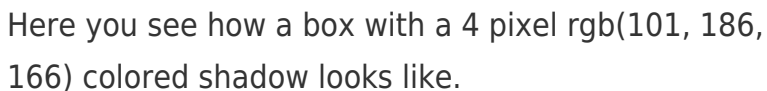
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 186, 166) }
```

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

```
.border{ border-color:rgb(101, 186, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 186, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 186, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 186, 166); box-shadow:4px 4px 4px 4px rgb(101, 186, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6377, 0.2643, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 186, 166) }
```

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

```
.background{ background-color: rgb(101,  
186, 166) }
```

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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