

Converting Colors

$Y_{xy}(40.1920, 0.2567, 0.3268)$

Have a look what the booklet for
Yxy(40.1920, 0.2567, 0.3268)
contains.

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Color

Yxy(40.1047, 0.2564, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	6CB6B8
RGB	108, 182, 184
RGB Percent	42%, 71%, 72%
CMY	0.5766, 0.2862, 0.2784
CMYK	0.41, 0.01, 0.00, 0.28
HSL	182°, 35%, 57%
HSV	182°, 41%, 72%
XYZ	31.5618, 40.1047, 51.4295
YIQ	160.1020, -44.7460, -15.0660

Conversions

Conversions Part 2

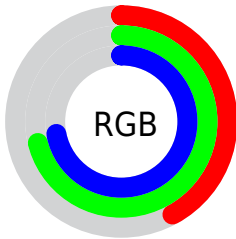
Format	Color
RYB	108, 145, 184
Decimal	7124664
CIELab	69.54, -22.48, -8.27
CIELCh	70, 23.956, 200.188
Yxy	40.1047, 0.2564, 0.3258
Android (android.graphics.Color)	4285314744 (0xFF6CB6B8)
YUV	160.1020, 11.7817, -45.6935
Hunter-Lab	63.3283, -21.8628, -3.8202

Details

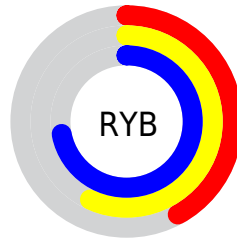
The Yxy color **40.1047, 0.2564, 0.3258** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.4199, 0.4155, 0.3322**, and the grayscale version is **35.1614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2269, 0.2666, 0.3266**, and **18.0693, 0.2400, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **38.8739, 0.2462, 0.3249**, and if you desaturate by 10%, it is **41.5828, 0.2682, 0.3266**.

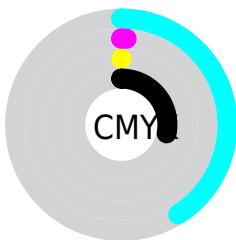
Distribution



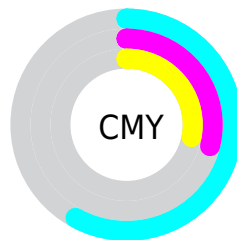
- Red (42%)
- Green (71%)
- Blue (72%)



- Red (42%)
- Yellow (57%)
- Blue (72%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (28%)





- Cyan (58%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1047, 0.2564, 0.3258 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 40.1047, 0.2564, 0.3258 by changing the saturation by 10% instead.


 40.1047, 0.2564,
0.3258


 40.1047, 0.2564,
0.3258

346.5647, 0.2848,
0.3280


 27.6202, 0.2493,
0.3250


 75.3229, 0.2668,
0.3267

 18.0395, 0.2401,
0.3240


 98.8254, 0.2706,
0.3271

 10.9784, 0.2279,
0.3223

 126.7694, 0.2739,
0.3273

 6.0523, 0.2108,
0.3195

 159.5392, 0.2767,
0.3275

 2.8769, 0.1855,
0.3143

197.5192, 0.2791,
0.3277

 1.0678, 0.1312,
0.3076

241.0939, 0.2813,

 0.0000, 0.0000,

0.3278

0.0000

290.6475, 0.2831,
0.3279

■ 40.1047, 0.2564,
0.3258

■ 40.1047, 0.2564,
0.3258

■ 38.8739, 0.2462,
0.3249

■ 41.5828, 0.2682,
0.3266

■ 37.8703, 0.2378,
0.3241

■ 43.3175, 0.2813,
0.3274

■ 37.0781, 0.2313,
0.3232

■ 45.3235, 0.2956,
0.3282

■ 36.4777, 0.2267,
0.3223

■ 47.6129, 0.3107,
0.3289


■ 36.0458, 0.2239,
0.3214

■ 50.1972, 0.3263,
0.3296

 35.7669, 0.2224,
0.3207

 53.0871, 0.3421,
0.3301

 56.2928, 0.3580,
0.3307

 59.7901, 0.3734,
0.3311

 59.9945, 0.3733,
0.3316

Harmonies

Analogous

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



40.1047, 0.2803, 0.3597



40.1047, 0.2564, 0.3258



40.1047, 0.2471, 0.2953

Triad

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



40.1047, 0.2564, 0.3258



40.1047, 0.3085, 0.2805



40.1047, 0.3739, 0.3806

Complementary

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



40.1047, 0.2564, 0.3258



22.4199, 0.4155, 0.3322

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.



40.1047, 0.3830, 0.3566



40.1047, 0.2564, 0.3258



40.1047, 0.3442, 0.3006

Square

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



40.1047, 0.2564, 0.3258



40.1047, 0.2759, 0.2716



40.1047, 0.3721, 0.3278



40.1047, 0.3481, 0.3920

Rectangle

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



40.1047, 0.2564, 0.3258



40.1047, 0.2499, 0.2811



40.1047, 0.3721, 0.3278



40.1047, 0.3791, 0.3736

Sweetspot

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



40.1063, 0.2564, 0.3258



81.8122, 0.2943, 0.3281



38.5806, 0.3060, 0.4524



17.5312, 0.2924, 0.3280



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.1063, 0.2564, 0.3258



70.5602, 0.2467, 0.3250



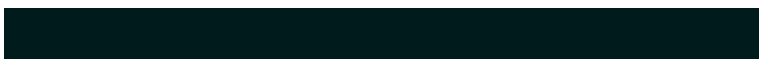
26.8138, 0.2468, 0.2656



10.1689, 0.2985, 0.3284



24.6645, 0.2225, 0.3208



0.8823, 0.2231, 0.3230

Inverse Universe

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



24.2883, 0.3196, 0.2312



37.9575, 0.3213, 0.2112



32.2214, 0.3930, 0.3844



9.1585, 0.3142, 0.3071



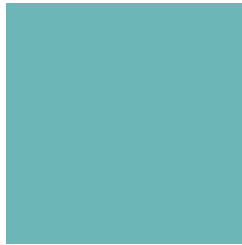
9.2722, 0.3275, 0.1578



0.3282, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 40.1047, 0.2564, 0.3258 looks on a white background.

Color Contrast Check

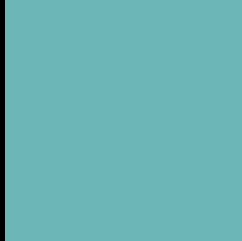
Large Text (above 18pt) WCAG AA × Fail

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 40.1047, 0.2564, 0.3258 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 40.1047, 0.2564, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 40.1047, 0.2564, 0.3258.



This preview shows how white text looks on a background with the Yxy color 40.1047, 0.2564, 0.3258.

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

40.1047, 0.2564, 0.3258

Protanopia

39.6859, 0.3078, 0.3180

Deuteranopia

39.5289, 0.3042, 0.2970



Tritanopia

39.9622, 0.2512, 0.3067

Trichromacy



Original Color

40.1047, 0.2564, 0.3258

Protanomaly

39.3449, 0.2858, 0.3203

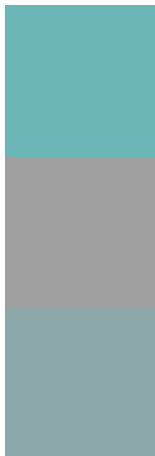
Deuteranomaly

39.3891, 0.2838, 0.3064

Tritanomaly

40.1243, 0.2532, 0.3139

Monochromacy



Original Color

40.1047, 0.2564, 0.3258

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5326, 0.2881, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1047, 0.2564, 0.3258 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(108, 182, 184)` looks like.

```
.text, #text, p{  
    color:rgb(108, 182, 184)  
}
```

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(108, 182, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 182, 184) }
```

Border

The CSS property to change the border of an element to Yxy 40.1047, 0.2564, 0.3258 is called "border". The border property can be set on classes, ids or directly on the HTML element.

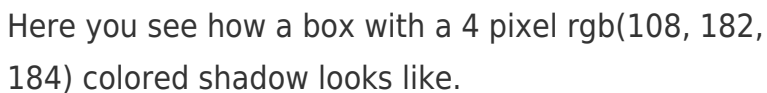
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 182, 184) }
```

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

```
.border{ border-color:rgb(108, 182, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 182, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 182, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 182, 184); box-shadow:4px 4px 4px 4px rgb(108, 182, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1047, 0.2564, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 182, 184) }
```

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

```
.background{ background-color: rgb(108,  
182, 184) }
```

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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