

Converting Colors

$Y_{xy}(40.9152, 0.2617, 0.3364)$

Have a look what the booklet for
Yxy(40.9152, 0.2617, 0.3364)
contains.

Yxy(40.9152, 0.2617, 0.3364)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9152, 0.2617, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	6FB8B3
RGB	111, 184, 179
RGB Percent	44%, 72%, 70%
CMY	0.5649, 0.2784, 0.2979
CMYK	0.40, 0.00, 0.03, 0.28
HSL	176°, 34%, 58%
HSV	176°, 40%, 72%
XYZ	31.8297, 40.9152, 48.8817
YIQ	161.6030, -41.9030, -17.0310

Conversions

Conversions Part 2

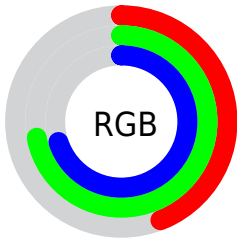
Format	Color
R_{YB}	111, 149, 184
Decimal	7321779
CIE _{Lab}	70.12, -23.97, -4.66
CIE _{LCh}	70, 24.424, 191.010
Yxy	40.9152, 0.2617, 0.3364
Android (android.graphics.Color)	4285511859 (0xFF6FB8B3)
YUV	161.6030, 8.5767, -44.3788
Hunter-Lab	63.9650, -23.1151, -0.5336

Details

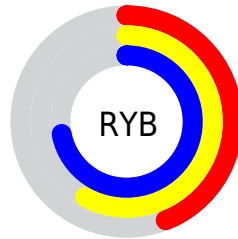
The Yxy color **40.9152, 0.2617, 0.3364** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.8082, 0.4039, 0.3221**, and the grayscale version is **35.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4253, 0.2709, 0.3346**, and **18.6088, 0.2476, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **39.7937, 0.2520, 0.3386**, and if you desaturate by 10%, it is **42.2862, 0.2729, 0.3343**.

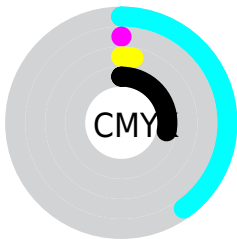
Distribution



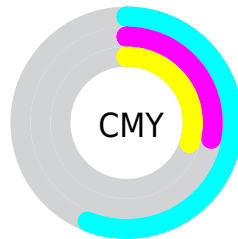
- Red (44%)
- Green (72%)
- Blue (70%)



- Red (44%)
- Yellow (58%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)





- Cyan (56%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9152, 0.2617, 0.3364 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 40.9152, 0.2617, 0.3364 by changing the saturation by 10% instead.


 40.9152, 0.2617,
0.3364


 40.9152, 0.2617,
0.3364


349.9661, 0.2875,
0.3330


 28.2528, 0.2552,
0.3371


 76.5551, 0.2711,
0.3352

 18.5163, 0.2468,
0.3380


 100.3015, 0.2746,
0.3348

 11.3213, 0.2357,
0.3391


 128.5113, 0.2776,
0.3344

 6.2834, 0.2200,
0.3403

 161.5690, 0.2801,
0.3340

 3.0182, 0.1966,
0.3416

199.8589, 0.2823,
0.3337

 1.1412, 0.1456,
0.3468

243.7655, 0.2843,

 0.0129, 0.0000,

0.3335

0.0365

293.6731, 0.2860,
0.3332

0.0000, 0.0000,
0.0000

40.9152, 0.2617,
0.3364

40.9152, 0.2617,
0.3364

39.7937, 0.2520,
0.3386

42.2862, 0.2729,
0.3343

38.9017, 0.2441,
0.3408

43.9158, 0.2854,
0.3324

38.2239, 0.2380,
0.3431


45.8184, 0.2989,
0.3306

37.7410, 0.2339,
0.3453


48.0061, 0.3131,
0.3290


37.4304, 0.2315,
0.3476


50.4902, 0.3278,
0.3275


 37.2478, 0.2306,
0.3498

 53.2814, 0.3427,
0.3261

 37.2429, 0.2305,
0.3499

 56.3898, 0.3576,
0.3250

 59.2219, 0.3696,
0.3239

 59.2766, 0.3685,
0.3226

Harmonies

Analogous

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



40.9152, 0.2896, 0.3694



40.9152, 0.2617, 0.3364



40.9152, 0.2475, 0.3033

Triad

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



40.9152, 0.2617, 0.3364



40.9152, 0.2976, 0.2758



40.9152, 0.3796, 0.3747

Complementary

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



40.9152, 0.2617, 0.3364



22.8082, 0.4039, 0.3221

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.



40.9152, 0.3827, 0.3482



40.9152, 0.2617, 0.3364



40.9152, 0.3338, 0.2931

Square

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



40.9152, 0.2617, 0.3364



40.9152, 0.2672, 0.2708



40.9152, 0.3657, 0.3189



40.9152, 0.3579, 0.3911

Rectangle

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



40.9152, 0.2617, 0.3364



40.9152, 0.2470, 0.2864



40.9152, 0.3657, 0.3189



40.9152, 0.3829, 0.3666

Sweetspot

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



40.9168, 0.2617, 0.3364



82.1408, 0.2955, 0.3310



39.2159, 0.3118, 0.4471



17.6095, 0.2937, 0.3313



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.



40.9168, 0.2617, 0.3364



72.2949, 0.2528, 0.3384



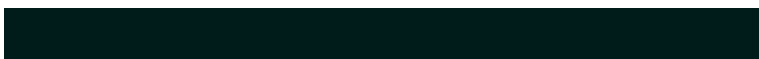
29.8057, 0.2513, 0.2807



10.1998, 0.2994, 0.3305



25.6688, 0.2305, 0.3496



0.9081, 0.2288, 0.3438

Inverse Universe

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



22.8082, 0.4039, 0.3221



34.7294, 0.4371, 0.3208



30.5030, 0.3932, 0.3723



9.0219, 0.3277, 0.3275



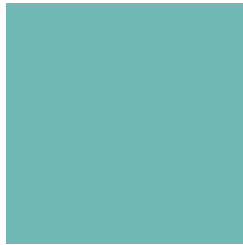
7.0464, 0.6313, 0.3251



0.2518, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 40.9152, 0.2617, 0.3364 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 40.9152, 0.2617, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

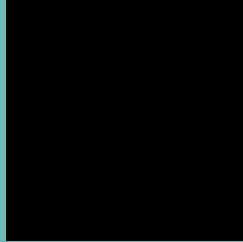
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9152, 0.2617, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 40.9152, 0.2617, 0.3364.



This preview shows how white text looks on a background with the Yxy color 40.9152, 0.2617, 0.3364.

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

40.9152, 0.2617, 0.3364

Protanopia

40.5740, 0.3146, 0.3276

Deuteranopia

40.5151, 0.3119, 0.3065



Tritanopia

40.7463, 0.2538, 0.3069

Trichromacy



Original Color

40.9152, 0.2617, 0.3364

Protanomaly

40.2000, 0.2921, 0.3304

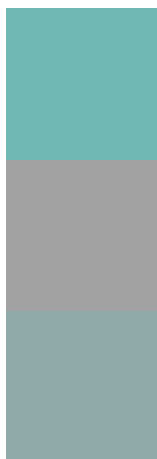
Deuteranomaly

40.3325, 0.2909, 0.3163

Tritanomaly

40.7510, 0.2564, 0.3170

Monochromacy



Original Color

40.9152, 0.2617, 0.3364

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4162, 0.2907, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9152, 0.2617, 0.3364 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(111, 184, 179)` looks like.

```
.text, #text, p{  
    color:rgb(111, 184, 179)  
}
```

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(111, 184, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 184, 179) }
```

Border

The CSS property to change the border of an element to Yxy 40.9152, 0.2617, 0.3364 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(111, 184, 179) }
```

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

```
.border{ border-color:rgb(111, 184, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 184, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 184, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 184, 179);  
box-shadow:4px 4px 4px 4px rgb(111, 184,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9152, 0.2617, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 184, 179) }
```

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

```
.background{ background-color: rgb(111,  
184, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor