

Converting Colors

$Y_{xy}(40.0667, 0.2613, 0.3289)$

Have a look what the booklet for
Yxy(40.0667, 0.2613, 0.3289)
contains.

Yxy(39.9614, 0.2617, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.9614, 0.2617, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	72B5B5
RGB	114, 181, 181
RGB Percent	45%, 71%, 71%
CMY	0.5532, 0.2901, 0.2903
CMYK	0.37, 0.00, 0.00, 0.29
HSL	180°, 31%, 58%
HSV	180°, 37%, 71%
XYZ	31.7966, 39.9614, 49.7422
YIQ	160.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

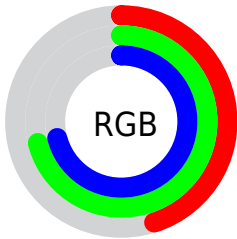
Format	Color
RYB	114, 148, 181
Decimal	7517621
CIELab	69.44, -21.19, -6.72
CIElCh	69, 22.228, 197.599
Yxy	39.9614, 0.2617, 0.3289
Android (android.graphics.Color)	4285707701 (0xFF72B5B5)
YUV	160.9670, 9.8763, -41.1901
Hunter-Lab	63.2150, -20.8424, -2.4031

Details

The Yxy color **39.9614, 0.2617, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **23.0625, 0.4012, 0.3292**, and the grayscale version is **35.5865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1178, 0.2712, 0.3289**, and **17.9575, 0.2468, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **38.8672, 0.2511, 0.3289**, and if you desaturate by 10%, it is **41.2989, 0.2739, 0.3289**.

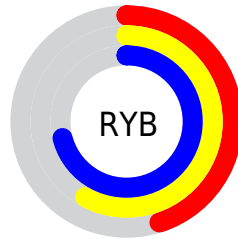
Distribution



Red (45%)

Green (71%)

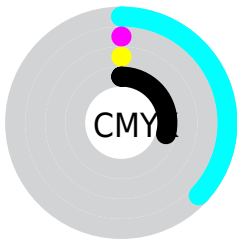
Blue (71%)



Red (45%)

Yellow (58%)

Blue (71%)

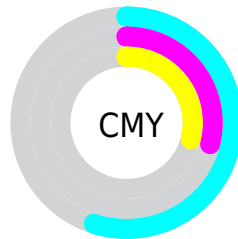


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (29%)



Cyan (55%)


Magenta (29%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9614, 0.2617, 0.3289 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 39.9614, 0.2617, 0.3289 by changing the saturation by 10% instead.


 39.9614, 0.2617,
0.3289


 39.9614, 0.2617,
0.3289


345.9609, 0.2875,
0.3294

 27.5084, 0.2552,
0.3286


 75.1047, 0.2711,
0.3292

 17.9555, 0.2468,
0.3282


 98.5639, 0.2747,
0.3293

 10.9180, 0.2355,
0.3274


 126.4606, 0.2776,
0.3293

 6.0117, 0.2198,
0.3260

159.1792, 0.2802,
0.3294

 2.8522, 0.1961,
0.3230

197.1042, 0.2824,
0.3294

 1.0551, 0.1446,
0.3204

240.6198, 0.2843,

 0.0000, 0.0000,

0.3294

0.0000

290.1106, 0.2860,
0.3294

■ 39.9614, 0.2617,
0.3289

■ 39.9614, 0.2617,
0.3289

■ 38.8672, 0.2511,
0.3289

■ 41.2989, 0.2739,
0.3289

■ 37.9973, 0.2422,
0.3289

■ 42.8881, 0.2874,
0.3289

■ 37.3376, 0.2352,
0.3289


■ 44.7427, 0.3020,
0.3290


■ 36.8702, 0.2301,
0.3289


■ 46.8740, 0.3173,
0.3290

■ 36.5746, 0.2268,
0.3289

■ 49.2927, 0.3331,
0.3290

 36.4213, 0.2251,
0.3289

 52.0089, 0.3491,
0.3291

 36.3868, 0.2247,
0.3289

 55.0323, 0.3650,
0.3291

 57.6523, 0.3775,
0.3292

 57.6527, 0.3774,
0.3291

Harmonies

Analogous

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



39.9614, 0.2851, 0.3599



39.9614, 0.2617, 0.3289



39.9614, 0.2517, 0.2999

Triad

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



39.9614, 0.2617, 0.3289



39.9614, 0.3061, 0.2825



39.9614, 0.3710, 0.3755

Complementary

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



39.9614, 0.2617, 0.3289



23.0625, 0.4012, 0.3292

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.



39.9614, 0.3779, 0.3527



39.9614, 0.2617, 0.3289



39.9614, 0.3393, 0.3006

Square

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



39.9614, 0.2617, 0.3289



39.9614, 0.2762, 0.2753



39.9614, 0.3661, 0.3257



39.9614, 0.3482, 0.3872

Rectangle

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



39.9614, 0.2617, 0.3289



39.9614, 0.2534, 0.2859



39.9614, 0.3661, 0.3257



39.9614, 0.3753, 0.3688

Sweetspot

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



39.9630, 0.2617, 0.3289



78.6874, 0.2958, 0.3290



37.9167, 0.3084, 0.4390



16.9116, 0.2939, 0.3290



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.9630, 0.2617, 0.3289



70.0152, 0.2534, 0.3289



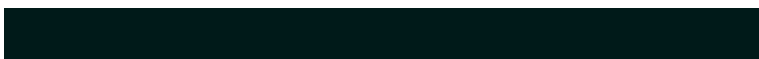
28.2786, 0.2544, 0.2771



9.6315, 0.2986, 0.3290



25.0798, 0.2247, 0.3289



0.7891, 0.2247, 0.3288

Inverse Universe

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



23.0625, 0.4012, 0.3292



35.5783, 0.4296, 0.3293



31.7090, 0.3840, 0.3755



8.5053, 0.3287, 0.3290



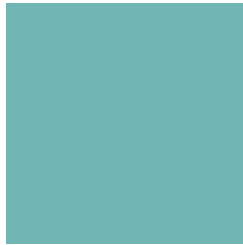
6.7725, 0.6400, 0.3299



0.2131, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 39.9614, 0.2617, 0.3289 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 39.9614, 0.2617, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

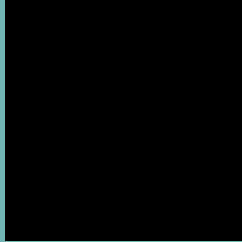
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

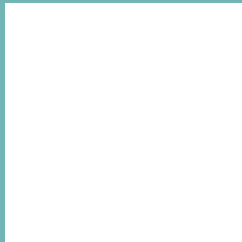
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9614, 0.2617, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 39.9614, 0.2617, 0.3289.



This preview shows how white text looks on a background with the Yxy color 39.9614, 0.2617, 0.3289.

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

39.9614, 0.2617, 0.3289

Protanopia

39.5684, 0.3103, 0.3221

Deuteranopia

39.5187, 0.3076, 0.3010



Tritanopia

39.8724, 0.2557, 0.3082

Trichromacy



Original Color

39.9614, 0.2617, 0.3289

Protanomaly

39.5058, 0.2905, 0.3246

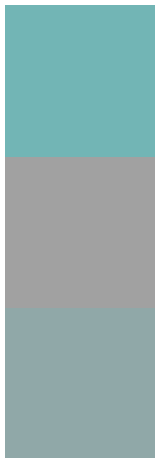
Deuteranomaly

39.1787, 0.2884, 0.3092

Tritanomaly

40.0296, 0.2578, 0.3155

Monochromacy



Original Color

39.9614, 0.2617, 0.3289

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.7617, 0.2915, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9614, 0.2617, 0.3289 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(114, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(114, 181, 181)  
}
```

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(114, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 181, 181) }
```

Border

The CSS property to change the border of an element to Yxy 39.9614, 0.2617, 0.3289 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(114, 181, 181) }
```

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

```
.border{ border-color:rgb(114, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(114, 181,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9614, 0.2617, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 181, 181) }
```

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

```
.background{ background-color: rgb(114,  
181, 181) }
```

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