

Converting Colors

$Y_{xy}(46.7320, 0.2599, 0.3317)$

Have a look what the booklet for
Yxy(46.7320, 0.2599, 0.3317)
contains.

Yxy(46.7320, 0.2599, 0.3317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.7320, 0.2599, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	76C3C1
RGB	118, 195, 193
RGB Percent	46%, 76%, 76%
CMY	0.5370, 0.2353, 0.2432
CMYK	0.39, 0.00, 0.01, 0.24
HSL	178°, 39%, 61%
HSV	178°, 39%, 76%
XYZ	36.6164, 46.7320, 57.5380
YIQ	171.7490, -45.2500, -16.9460

Conversions

Conversions Part 2

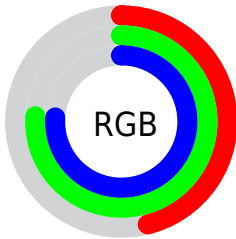
Format	Color
RYB	118, 157, 195
Decimal	7783361
CIELab	74.02, -24.19, -6.49
CIElCh	74, 25.048, 195.019
Yxy	46.7320, 0.2599, 0.3317
Android (android.graphics.Color)	4285973441 (0xFF76C3C1)
YUV	171.7490, 10.4767, -47.1379
Hunter-Lab	68.3608, -24.0208, -2.0507

Details

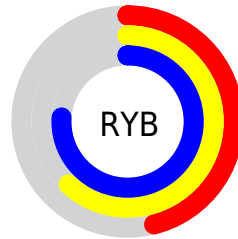
The Yxy color **46.7320, 0.2599, 0.3317** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.9286, 0.4079, 0.3266**, and the grayscale version is **41.0912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4590, 0.2696, 0.3322**, and **22.0000, 0.2452, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **45.4835, 0.2499, 0.3325**, and if you desaturate by 10%, it is **48.2665, 0.2715, 0.3309**.

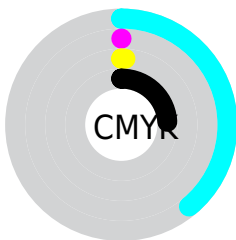
Distribution



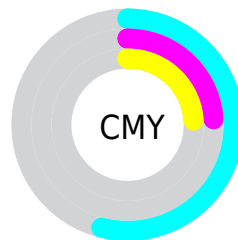
- Red (46%)
- Green (76%)
- Blue (76%)



- Red (46%)
- Yellow (62%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)




- Cyan (54%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7320, 0.2599, 0.3317 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 46.7320, 0.2599, 0.3317 by changing the saturation by 10% instead.


 46.7320, 0.2599,
0.3317


 46.7320, 0.2599,
0.3317

373.7438, 0.2859,
0.3308


 32.8238, 0.2535,
0.3318


 85.3134, 0.2693,
0.3315

 21.9915, 0.2454,
0.3318


 110.7555, 0.2728,
0.3314

 13.8507, 0.2348,
0.3317


 140.8110, 0.2758,
0.3313

 8.0169, 0.2203,
0.3313

175.8643, 0.2784,
0.3312

 4.1058, 0.1993,
0.3300

216.2999, 0.2806,
0.3311

 1.7329, 0.1668,
0.3265

262.5020, 0.2826,

 0.4448, 0.0000,

0.3310

0.3216

314.8552, 0.2844,
0.3309

0.0000, 0.0000,
0.0000

46.7320, 0.2599,
0.3317

46.7320, 0.2599,
0.3317

45.4835, 0.2499,
0.3325

48.2665, 0.2715,
0.3309

44.4980, 0.2416,
0.3333

50.0974, 0.2846,
0.3302

43.7578, 0.2353,
0.3342

52.2415, 0.2986,
0.3296


43.2408, 0.2308,
0.3350


54.7125, 0.3135,
0.3290


42.9209, 0.2281,
0.3358

57.5235, 0.3289,
0.3284


 42.7508, 0.2269,
0.3367

 60.6868, 0.3446,
0.3280

 42.7428, 0.2269,
0.3367

 64.2140, 0.3602,
0.3275

 64.3222, 0.3601,
0.3270

 64.3455, 0.3597,
0.3265

Harmonies

Analogous

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



46.7320, 0.2858, 0.3647



46.7320, 0.2599, 0.3317



46.7320, 0.2480, 0.3001

Triad

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



46.7320, 0.2599, 0.3317



46.7320, 0.3025, 0.2784



46.7320, 0.3764, 0.3768

Complementary

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



46.7320, 0.2599, 0.3317



25.9286, 0.4079, 0.3266

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.



46.7320, 0.3821, 0.3517



46.7320, 0.2599, 0.3317



46.7320, 0.3381, 0.2967

Square

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



46.7320, 0.2599, 0.3317



46.7320, 0.2714, 0.2717



46.7320, 0.3679, 0.3228



46.7320, 0.3532, 0.3909

Rectangle

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



46.7320, 0.2599, 0.3317



46.7320, 0.2489, 0.2845



46.7320, 0.3679, 0.3228



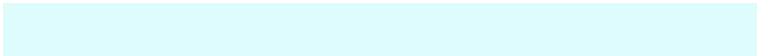
46.7320, 0.3805, 0.3693

Sweetspot

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



46.7338, 0.2599, 0.3317



92.4649, 0.2947, 0.3297



44.3753, 0.3090, 0.4478



20.1340, 0.2928, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.7338, 0.2599, 0.3317



81.8178, 0.2515, 0.3324



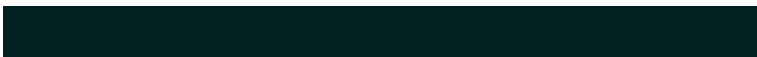
32.6224, 0.2505, 0.2748



11.4238, 0.2988, 0.3296



27.7838, 0.2268, 0.3366



1.2019, 0.2263, 0.3347

Inverse Universe

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



25.9286, 0.4079, 0.3266



39.5770, 0.4394, 0.3262



36.0090, 0.3910, 0.3772



10.0820, 0.3285, 0.3284



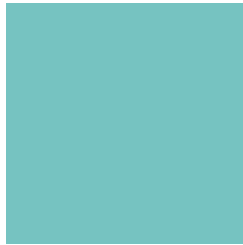
7.5499, 0.6368, 0.3282



0.3277, 0.6249, 0.3216

Previews

White Background



This preview shows how the Yxy color 46.7320, 0.2599, 0.3317 looks on a white background.

Color Contrast Check

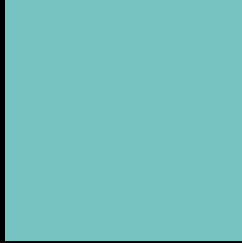
Large Text (above 18pt) WCAG AA × Fail

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 46.7320, 0.2599, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

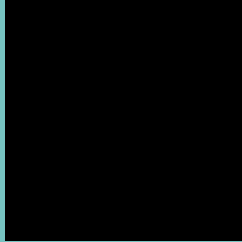
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

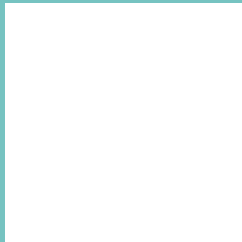
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7320, 0.2599, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 46.7320, 0.2599, 0.3317.



This preview shows how white text looks on a background with the Yxy color 46.7320, 0.2599, 0.3317.

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

46.7320, 0.2599, 0.3317

Protanopia

46.1705, 0.3121, 0.3238

Deuteranopia

46.1583, 0.3088, 0.3027



Tritanopia

46.8316, 0.2532, 0.3081

Trichromacy



Original Color

46.7320, 0.2599, 0.3317

Protanomaly

45.6567, 0.2902, 0.3262

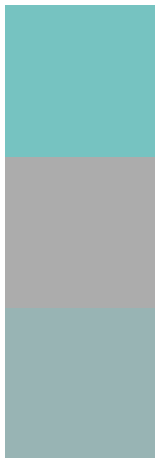
Deuteranomaly

45.7450, 0.2876, 0.3117

Tritanomaly

46.9603, 0.2556, 0.3163

Monochromacy



Original Color

46.7320, 0.2599, 0.3317

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6132, 0.2895, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7320, 0.2599, 0.3317 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(118, 195, 193)` looks like.

```
.text, #text, p{  
    color:rgb(118, 195, 193)  
}
```

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(118, 195, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 195, 193) }
```

Border

The CSS property to change the border of an element to Yxy 46.7320, 0.2599, 0.3317 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(118, 195, 193) }
```

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

```
.border{ border-color:rgb(118, 195, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 195, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 195, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 195, 193);  
box-shadow:4px 4px 4px 4px rgb(118, 195,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7320, 0.2599, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 195, 193) }
```

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

```
.background{ background-color: rgb(118,  
195, 193) }
```

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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