

Converting Colors

$Yxy(46.7610, 0.2633, 0.3366)$

Have a look what the booklet for
Yxy(46.7610, 0.2633, 0.3366)
contains.

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Color

Yxy(46.7410, 0.2628, 0.3360)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78C3BE |
| RGB | 120, 195, 190 |
| RGB Percent | 47%, 76%, 75% |
| CMY | 0.5293, 0.2353, 0.2549 |
| CMYK | 0.38, 0.00, 0.03, 0.24 |
| HSL | 176°, 38%, 62% |
| HSV | 176°, 38%, 76% |
| XYZ | 36.5581, 46.7410, 55.8110 |
| YIQ | 172.0050, -43.0950, -17.4550 |

Conversions

Conversions Part 2

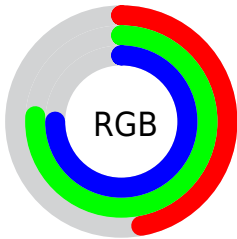
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 120, 159, 195 |
| Decimal | 7914430 |
| CIE Lab | 74.02, -24.41, -4.85 |
| CIE LCh | 74, 24.887, 191.230 |
| Yxy | 46.7410, 0.2628, 0.3360 |
| Android (android.graphics.Color) | 4286104510 (0xFF78C3BE) |
| YUV | 172.0050, 8.8715, -45.6084 |
| Hunter-Lab | 68.3674, -24.1935, -0.5436 |

Details

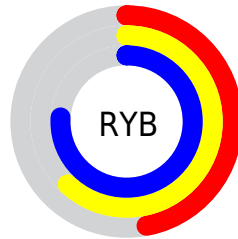
The Yxy color **46.7410, 0.2628, 0.3360** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.5239, 0.4004, 0.3225**, and the grayscale version is **41.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3886, 0.2716, 0.3355**, and **21.9797, 0.2486, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **45.4307, 0.2529, 0.3381**, and if you desaturate by 10%, it is **48.3394, 0.2742, 0.3340**.

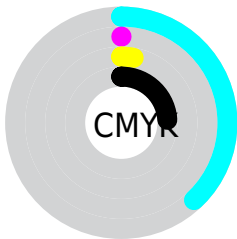
Distribution



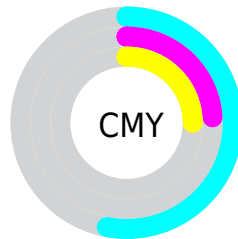
- Red (47%)
- Green (76%)
- Blue (75%)



- Red (47%)
- Yellow (62%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)




- Cyan (53%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7410, 0.2628, 0.3360 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 46.7410, 0.2628, 0.3360 by changing the saturation by 10% instead.


 46.7410, 0.2628,
0.3360


 46.7410, 0.2628,
0.3360

373.7798, 0.2875,
0.3329


 32.8310, 0.2568,
0.3367


 85.3269, 0.2717,
0.3349

 21.9970, 0.2490,
0.3375


 110.7715, 0.2750,
0.3345

 13.8547, 0.2389,
0.3384


 140.8298, 0.2779,
0.3342

 8.0197, 0.2250,
0.3395

175.8861, 0.2803,
0.3338

 4.1075, 0.2048,
0.3406

216.3249, 0.2825,
0.3336

 1.7339, 0.1732,
0.3411

262.5305, 0.2843,

 0.4455, 0.0000,

0.3333

0.3509

314.8873, 0.2860,
0.3331

0.0000, 0.0000,
0.0000

46.7410, 0.2628,
0.3360

46.7410, 0.2628,
0.3360

45.4307, 0.2529,
0.3381

48.3394, 0.2742,
0.3340

44.3856, 0.2447,
0.3403

50.2363, 0.2869,
0.3321

43.5884, 0.2385,
0.3425

52.4483, 0.3006,
0.3304


43.0171, 0.2341,
0.3447


54.9889, 0.3150,
0.3288

42.6463, 0.2315,
0.3470

57.8713, 0.3298,
0.3273


 42.4352, 0.2305,
0.3492

 61.1075, 0.3448,
0.3260

 42.4072, 0.2304,
0.3495

 64.4179, 0.3585,
0.3249

 64.4785, 0.3574,
0.3235

 64.5397, 0.3564,
0.3222

Harmonies

Analogous

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



46.7410, 0.2899, 0.3681



46.7410, 0.2628, 0.3360



46.7410, 0.2490, 0.3038

Triad

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



46.7410, 0.2628, 0.3360



46.7410, 0.2982, 0.2771



46.7410, 0.3778, 0.3738

Complementary

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



46.7410, 0.2628, 0.3360



26.5239, 0.4004, 0.3225

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.



46.7410, 0.3810, 0.3480



46.7410, 0.2628, 0.3360



46.7410, 0.3336, 0.2941

Square

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



46.7410, 0.2628, 0.3360



46.7410, 0.2685, 0.2722



46.7410, 0.3645, 0.3194



46.7410, 0.3566, 0.3896

Rectangle

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



46.7410, 0.2628, 0.3360



46.7410, 0.2486, 0.2873



46.7410, 0.3645, 0.3194



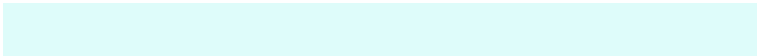
46.7410, 0.3811, 0.3660

Sweetspot

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



46.7429, 0.2628, 0.3360



92.3872, 0.2954, 0.3310



44.7487, 0.3109, 0.4436



20.1152, 0.2935, 0.3312



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.



46.7429, 0.2628, 0.3360



81.7400, 0.2545, 0.3377



33.9572, 0.2527, 0.2803



11.4165, 0.2993, 0.3305



27.5678, 0.2303, 0.3492



1.1947, 0.2290, 0.3443

Inverse Universe

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



26.5239, 0.4004, 0.3225



40.4945, 0.4299, 0.3212



35.5836, 0.3897, 0.3727



10.0885, 0.3279, 0.3275



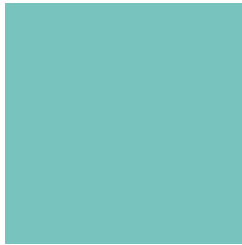
7.5642, 0.6318, 0.3254



0.3307, 0.6031, 0.3096

Previews

White Background



This preview shows how the Yxy color 46.7410, 0.2628, 0.3360 looks on a white background.

Color Contrast Check

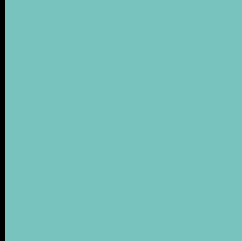
Large Text (above 18pt) WCAG AA × Fail

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 46.7410, 0.2628, 0.3360 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

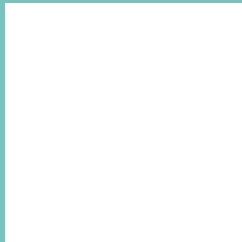
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7410, 0.2628, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 46.7410, 0.2628, 0.3360.

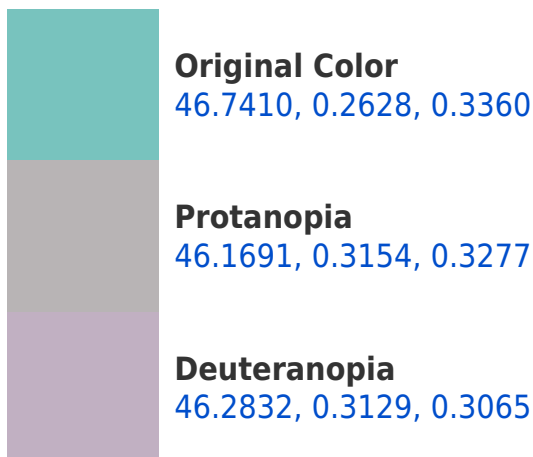


This preview shows how white text looks on a background with the Yxy color 46.7410, 0.2628, 0.3360.

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





Tritanopia

46.6133, 0.2547, 0.3068

Trichromacy



Original Color

46.7410, 0.2628, 0.3360

Protanomaly

45.7357, 0.2939, 0.3303

Deuteranomaly

45.8242, 0.2913, 0.3156

Tritanomaly

46.5679, 0.2577, 0.3176

Monochromacy



Original Color

46.7410, 0.2628, 0.3360

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6695, 0.2911, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7410, 0.2628, 0.3360 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(120, 195, 190)` looks like.

```
.text, #text, p{  
    color:rgb(120, 195, 190)  
}
```

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(120, 195, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 195, 190) }
```

Border

The CSS property to change the border of an element to Yxy 46.7410, 0.2628, 0.3360 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(120, 195, 190) }
```

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

```
.border{ border-color:rgb(120, 195, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 195, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 195, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 195, 190);  
box-shadow:4px 4px 4px 4px rgb(120, 195,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7410, 0.2628, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 195, 190) }
```

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

```
.background{ background-color: rgb(120,  
195, 190) }
```

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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