

Converting Colors

$Y_{xy}(46.3712, 0.2685, 0.3414)$

Have a look what the booklet for
Yxy(46.3712, 0.2685, 0.3414)
contains.

Yxy(46.4463, 0.2686, 0.3418)	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(46.4463, 0.2686, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	7DC2B9
RGB	125, 194, 185
RGB Percent	49%, 76%, 73%
CMY	0.5100, 0.2392, 0.2745
CMYK	0.36, 0.00, 0.05, 0.24
HSL	172°, 36%, 63%
HSV	172°, 36%, 76%
XYZ	36.4993, 46.4463, 52.9417
YIQ	172.3430, -38.2350, -17.4270

Conversions

Conversions Part 2

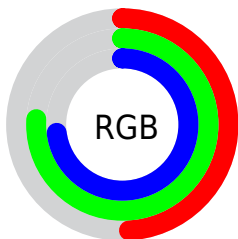
Format	Color
R _{YB}	125, 162, 194
Decimal	8241849
CIE Lab	73.83, -23.79, -2.38
CIE LCh	74, 23.907, 185.719
Yxy	46.4463, 0.2686, 0.3418
Android (android.graphics.Color)	4286431929 (0xFF7DC2B9)
YUV	172.3430, 6.2399, -41.5198
Hunter-Lab	68.1515, -23.6674, 1.6482

Details

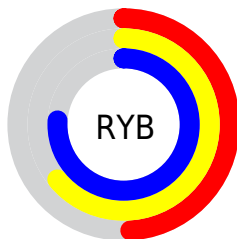
The Yxy color **46.4463, 0.2686, 0.3418** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.8424, 0.3857, 0.3170**, and the grayscale version is **41.4142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0485, 0.2765, 0.3399**, and **21.7998, 0.2566, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **45.0228, 0.2588, 0.3460**, and if you desaturate by 10%, it is **48.1606, 0.2798, 0.3378**.

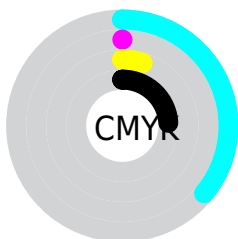
Distribution



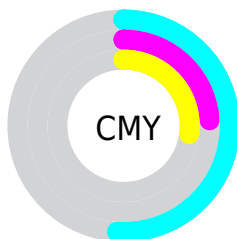
- Red (49%)
- Green (76%)
- Blue (73%)



- Red (49%)
- Yellow (64%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)




- Cyan (51%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4463, 0.2686, 0.3418 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 46.4463, 0.2686, 0.3418 by changing the saturation by 10% instead.


 46.4463, 0.2686,
0.3418

 46.4463, 0.2686,
0.3418

372.6000, 0.2905,
0.3356

 32.5981, 0.2632,
0.3433


 84.8865, 0.2765,
0.3396

 21.8188, 0.2563,
0.3452


 110.2474, 0.2795,
0.3387

 13.7238, 0.2471,
0.3476


 140.2146, 0.2820,
0.3380

 7.9288, 0.2345,
0.3508

175.1726, 0.2842,
0.3374

 4.0494, 0.2160,
0.3554

215.5058, 0.2861,
0.3369

 1.7013, 0.1863,
0.3621

261.5984, 0.2877,

 0.4245, 0.0000,

0.3364

0.4030

313.8351, 0.2892,
0.3360

0.0000, 0.0000,
0.0000

46.4463, 0.2686,
0.3418

46.4463, 0.2686,
0.3418

45.0228, 0.2588,
0.3460

48.1606, 0.2798,
0.3378

43.8677, 0.2506,
0.3504

50.1754, 0.2921,
0.3342

42.9646, 0.2442,
0.3549


52.5069, 0.3051,
0.3308

42.2927, 0.2397,
0.3594

55.1683, 0.3188,
0.3277

41.8279, 0.2371,
0.3640


58.1722, 0.3326,
0.3249


 41.5404, 0.2363,
0.3685

 61.5306, 0.3466,
0.3225

 41.4435, 0.2362,
0.3705

 64.1483, 0.3557,
0.3201

 64.2698, 0.3537,
0.3175

 64.3932, 0.3516,
0.3149

Harmonies

Analogous

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



46.4463, 0.2966, 0.3713



46.4463, 0.2686, 0.3418



46.4463, 0.2526, 0.3101

Triad

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



46.4463, 0.2686, 0.3418



46.4463, 0.2929, 0.2771



46.4463, 0.3773, 0.3682

Complementary

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



46.4463, 0.2686, 0.3418



27.8424, 0.3857, 0.3170

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.



46.4463, 0.3768, 0.3424



46.4463, 0.2686, 0.3418



46.4463, 0.3266, 0.2916

Square

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



46.4463, 0.2686, 0.3418



46.4463, 0.2660, 0.2748



46.4463, 0.3579, 0.3149



46.4463, 0.3598, 0.3856

Rectangle

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



46.4463, 0.2686, 0.3418



46.4463, 0.2502, 0.2928



46.4463, 0.3579, 0.3149



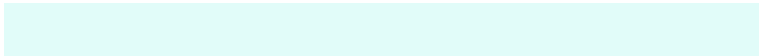
46.4463, 0.3793, 0.3602

Sweetspot

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



46.4482, 0.2686, 0.3418



92.6888, 0.2978, 0.3326



45.1495, 0.3147, 0.4326



20.1722, 0.2960, 0.3331



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.



46.4482, 0.2686, 0.3418



82.0139, 0.2606, 0.3452



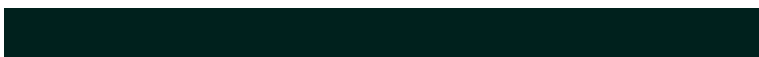
36.5103, 0.2581, 0.2916



11.4051, 0.3001, 0.3320



27.2520, 0.2361, 0.3699



1.1839, 0.2333, 0.3598

Inverse Universe

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



27.8424, 0.3857, 0.3170



43.1653, 0.4110, 0.3143



34.8479, 0.3847, 0.3633



10.0988, 0.3269, 0.3260



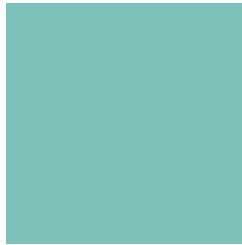
7.5947, 0.6215, 0.3197



0.3353, 0.5725, 0.2927

Previews

White Background



This preview shows how the Yxy color 46.4463, 0.2686, 0.3418 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 46.4463, 0.2686, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

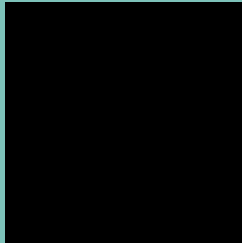
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

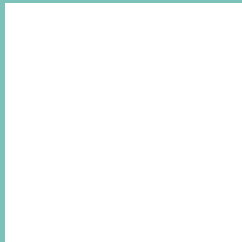
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4463, 0.2686, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 46.4463, 0.2686, 0.3418.

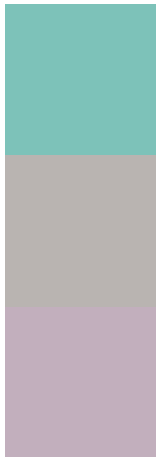


This preview shows how white text looks on a background with the Yxy color 46.4463, 0.2686, 0.3418.

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

46.4463, 0.2686, 0.3418

Protanopia

46.1311, 0.3195, 0.3329

Deuteranopia

45.8034, 0.3179, 0.3114



Tritanopia

46.4637, 0.2586, 0.3082

Trichromacy



Original Color

46.4463, 0.2686, 0.3418

Protanomaly

45.7797, 0.2984, 0.3358

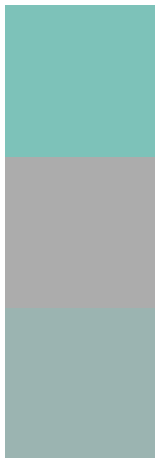
Deuteranomaly

45.5218, 0.2973, 0.3210

Tritanomaly

46.3657, 0.2623, 0.3205

Monochromacy



Original Color

46.4463, 0.2686, 0.3418

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.7854, 0.2941, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4463, 0.2686, 0.3418 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(125, 194, 185)` looks like.

```
.text, #text, p{  
    color:rgb(125, 194, 185)  
}
```

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(125, 194, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 194, 185) }
```

Border

The CSS property to change the border of an element to Yxy 46.4463, 0.2686, 0.3418 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(125, 194, 185) }
```

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

```
.border{ border-color:rgb(125, 194, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 194, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 194, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 194, 185);  
box-shadow:4px 4px 4px 4px rgb(125, 194,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4463, 0.2686, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 194, 185) }
```

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

```
.background{ background-color: rgb(125,  
194, 185) }
```

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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