

Converting Colors

$Yxy(46.6713, 0.2487, 0.3361)$

Have a look what the booklet for
Yxy(46.6713, 0.2487, 0.3361)
contains.

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Color

Yxy(46.6713, 0.2487, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	5FC6C1
RGB	95, 198, 193
RGB Percent	37%, 78%, 76%
CMY	0.6278, 0.2235, 0.2430
CMYK	0.52, 0.00, 0.03, 0.22
HSL	177°, 47%, 57%
HSV	177°, 52%, 78%
XYZ	34.5348, 46.6713, 57.6552
YIQ	166.6330, -59.7830, -23.3910

Conversions

Conversions Part 2

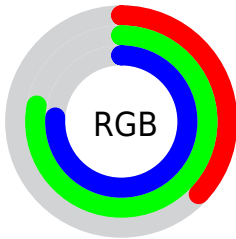
Format	Color
RYB	95, 148, 198
Decimal	6276801
CIELab	73.98, -31.05, -6.67
CIELCh	74, 31.761, 192.119
Yxy	46.6713, 0.2487, 0.3361
Android (android.graphics.Color)	4284466881 (0xFF5FC6C1)
YUV	166.6330, 12.9989, -62.8221
Hunter-Lab	68.3164, -29.3196, -2.2160

Details

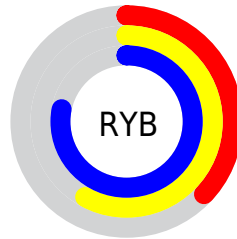
The Yxy color **46.6713, 0.2487, 0.3361** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.0955, 0.4543, 0.3230**, and the grayscale version is **38.4053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1319, 0.2601, 0.3356**, and **22.0730, 0.2314, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **45.7025, 0.2411, 0.3377**, and if you desaturate by 10%, it is **47.9133, 0.2581, 0.3346**.

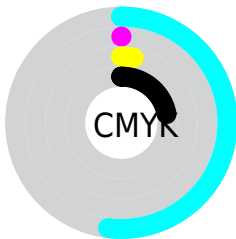
Distribution



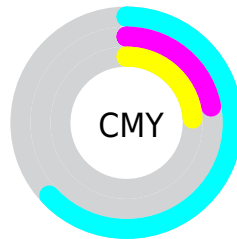
- Red (37%)
- Green (78%)
- Blue (76%)



- Red (37%)
- Yellow (58%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)





- Cyan (63%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6713, 0.2487, 0.3361 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 46.6713, 0.2487, 0.3361 by changing the saturation by 10% instead.


 46.6713, 0.2487,
0.3361


 46.6713, 0.2487,
0.3361


373.5010, 0.2802,
0.3332

 32.7759, 0.2410,
0.3366


 85.2228, 0.2600,
0.3352


 21.9548, 0.2314,
0.3372


 110.6476, 0.2643,
0.3348

 13.8237, 0.2187,
0.3377


 140.6844, 0.2679,
0.3345

 7.9981, 0.2015,
0.3381

 175.7175, 0.2710,
0.3341

 4.0938, 0.1769,
0.3378

216.1313, 0.2738,
0.3339

 1.7262, 0.1386,
0.3356

262.3102, 0.2762,

 0.4405, 0.0000,

0.3336

0.3178

314.6386, 0.2783,
0.3334

0.0000, 0.0000,
0.0000

46.6713, 0.2487,
0.3361

46.6713, 0.2487,
0.3361

45.7025, 0.2411,
0.3377

47.9133, 0.2581,
0.3346

44.9808, 0.2354,
0.3393

49.4419, 0.2692,
0.3331

44.4839, 0.2316,
0.3409

51.2757, 0.2816,
0.3317

44.1834, 0.2295,
0.3425

53.4306, 0.2952,
0.3304

44.0428, 0.2288,
0.3437

55.9211, 0.3097,
0.3292

■ 58.7609, 0.3246,
0.3282

■ 61.9630, 0.3399,
0.3272

■ 65.5397, 0.3552,
0.3264

■ 65.9004, 0.3558,
0.3254

Harmonies

Analogous

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



46.6713, 0.2821, 0.3786



46.6713, 0.2487, 0.3361



46.6713, 0.2324, 0.2950

Triad

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



46.6713, 0.2487, 0.3361



46.6713, 0.2952, 0.2646



46.6713, 0.3950, 0.3858

Complementary

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



46.6713, 0.2487, 0.3361



21.0955, 0.4543, 0.3230

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.



46.6713, 0.4004, 0.3529



46.6713, 0.2487, 0.3361



46.6713, 0.3403, 0.2859

Square

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



46.6713, 0.2487, 0.3361



46.6713, 0.2576, 0.2576



46.6713, 0.3799, 0.3173



46.6713, 0.3669, 0.4066

Rectangle

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



46.6713, 0.2487, 0.3361



46.6713, 0.2323, 0.2748



46.6713, 0.3799, 0.3173



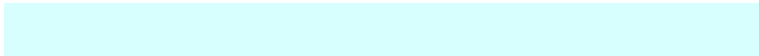
46.6713, 0.3996, 0.3756

Sweetspot

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



46.6731, 0.2487, 0.3361



92.9399, 0.2894, 0.3309



43.9314, 0.3082, 0.4920



19.7229, 0.2866, 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.



46.6731, 0.2487, 0.3361



80.7934, 0.2405, 0.3378



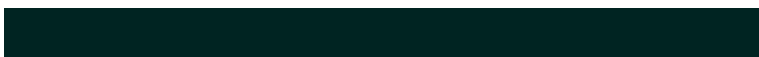
28.8397, 0.2317, 0.2563



12.0584, 0.2990, 0.3301



28.6425, 0.2288, 0.3435



1.3590, 0.2278, 0.3402

Inverse Universe

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



21.0955, 0.4543, 0.3230



30.8015, 0.5030, 0.3226



31.9736, 0.4257, 0.3897



10.6451, 0.3282, 0.3279



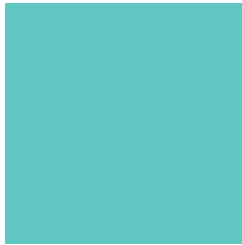
7.8249, 0.6342, 0.3267



0.3735, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 46.6713, 0.2487, 0.3361 looks on a white background.

Color Contrast Check

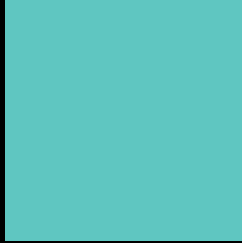
Large Text (above 18pt) WCAG AA × Fail

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 46.6713, 0.2487, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

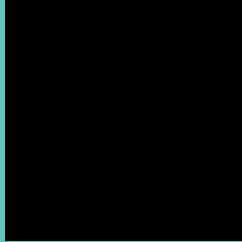
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

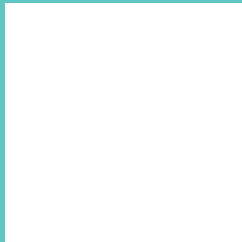
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6713, 0.2487, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 46.6713, 0.2487, 0.3361.

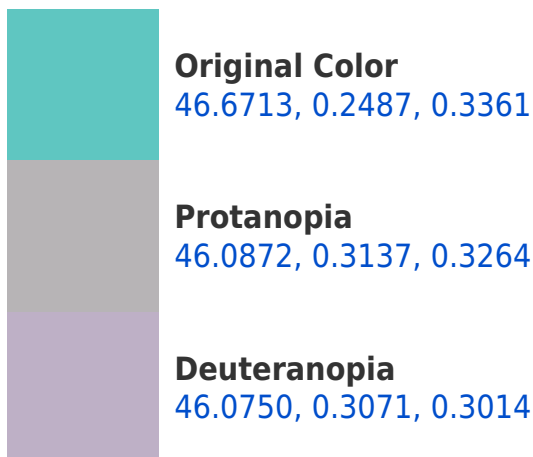


This preview shows how white text looks on a background with the Yxy color 46.6713, 0.2487, 0.3361.

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

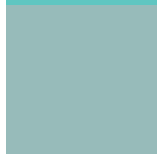
46.5001, 0.2413, 0.3063

Trichromacy



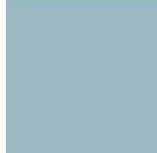
Original Color

46.6713, 0.2487, 0.3361



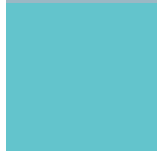
Protanomaly

45.6651, 0.2850, 0.3303



Deuteranomaly

45.2351, 0.2808, 0.3127



Tritanomaly

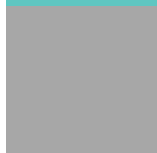
46.4921, 0.2443, 0.3174

Monochromacy



Original Color

46.6713, 0.2487, 0.3361



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.6381, 0.2837, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6713, 0.2487, 0.3361 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(95, 198, 193)` looks like.

```
.text, #text, p{  
    color:rgb(95, 198, 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(95, 198, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 198, 193) }
```

Border

The CSS property to change the border of an element to Yxy 46.6713, 0.2487, 0.3361 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(95, 198, 193) }
```

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

```
.border{ border-color:rgb(95, 198, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 198, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 198, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 198, 193);  
box-shadow:4px 4px 4px 4px rgb(95, 198,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6713, 0.2487, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 198, 193) }
```

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

```
.background{ background-color: rgb(95, 198,  
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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