

Converting Colors

$Yxy(58.6621, 0.2498, 0.3505)$

Have a look what the booklet for
Yxy(58.6621, 0.2498, 0.3505)
contains.

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Color

Yxy(58.6621, 0.2498, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	61DDCD
RGB	97, 221, 205
RGB Percent	38%, 87%, 80%
CMY	0.6196, 0.1333, 0.1960
CMYK	0.56, 0.00, 0.07, 0.13
HSL	172°, 65%, 62%
HSV	172°, 56%, 87%
XYZ	41.8083, 58.6621, 66.8966
YIQ	182.1000, -68.7680, -31.2640

Conversions

Conversions Part 2

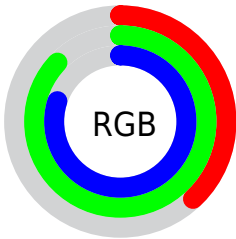
Format	Color
RYB	97, 163, 221
Decimal	6413773
CIELab	81.11, -38.30, -2.60
CIELCh	81, 38.389, 183.885
Yxy	58.6621, 0.2498, 0.3505
Android (android.graphics.Color)	4284603853 (0xFF61DDCD)
YUV	182.1000, 11.2897, -74.6327
Hunter-Lab	76.5912, -36.5981, 1.8285

Details

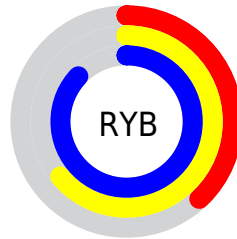
The Yxy color **58.6621, 0.2498, 0.3505** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **25.1133, 0.4594, 0.3112**, and the grayscale version is **46.8038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **29.2732, 0.2339, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **57.4786, 0.2435, 0.3550**, and if you desaturate by 10%, it is **60.1908, 0.2579, 0.3461**.

Distribution



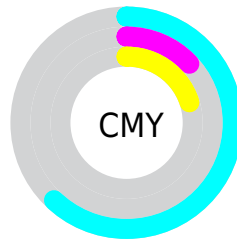
- Red (38%)
- Green (87%)
- Blue (80%)



- Red (38%)
- Yellow (64%)
- Blue (87%)



- Cyan (56%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)




- Cyan (62%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6621, 0.2498, 0.3505 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 58.6621, 0.2498, 0.3505 by changing the saturation by 10% instead.


 58.6621, 0.2498,
0.3505

 58.6621, 0.2498,
0.3505


419.6486, 0.2797,
0.3405


 42.3412, 0.2428,
0.3528


 102.8864, 0.2603,
0.3470


 29.3685, 0.2341,
0.3556


 131.5586, 0.2644,
0.3457

 19.3598, 0.2229,
0.3591


 165.1166, 0.2678,
0.3445

 11.9305, 0.2081,
0.3637

 203.9449, 0.2708,
0.3435

 6.6964, 0.1877,
0.3698

248.4278, 0.2735,
0.3426

 3.2730, 0.1581,
0.3780

298.9498, 0.2758,

 1.2758, 0.0743,

0.3418

0.4058

355.8953, 0.2778,
0.3411

0.1224, 0.0000,
0.2797

0.0000, 0.0000,
0.0000

58.6621, 0.2498,
0.3505

58.6621, 0.2498,
0.3505

57.4786, 0.2435,
0.3550

60.1908, 0.2579,
0.3461

56.6045, 0.2392,
0.3595

62.0833, 0.2677,
0.3420


56.0084, 0.2368,
0.3640

64.3651, 0.2789,
0.3380


55.6484, 0.2362,
0.3685

67.0573, 0.2912,
0.3343

 55.5434, 0.2362,
0.3703

 70.1796, 0.3044,
0.3309

 73.7504, 0.3181,
0.3278

 77.7871, 0.3321,
0.3251

 78.5640, 0.3326,
0.3223

 78.7232, 0.3306,
0.3194

Harmonies

Analogous

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



58.6621, 0.2908, 0.3959



58.6621, 0.2498, 0.3505



58.6621, 0.2263, 0.3020

Triad

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



58.6621, 0.2498, 0.3505



58.6621, 0.2801, 0.2538



58.6621, 0.4092, 0.3823

Complementary

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



58.6621, 0.2498, 0.3505



25.1133, 0.4594, 0.3112

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.



58.6621, 0.4075, 0.3440



58.6621, 0.2498, 0.3505



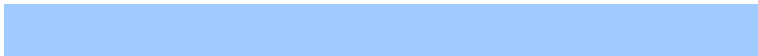
58.6621, 0.3295, 0.2734

Square

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



58.6621, 0.2498, 0.3505



58.6621, 0.2428, 0.2507



58.6621, 0.3774, 0.3054



58.6621, 0.3835, 0.4111

Rectangle

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



58.6621, 0.2498, 0.3505



58.6621, 0.2224, 0.2764



58.6621, 0.3774, 0.3054



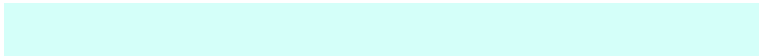
58.6621, 0.4119, 0.3701

Sweetspot

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



58.6644, 0.2498, 0.3505



92.3307, 0.2899, 0.3347



56.1229, 0.3135, 0.5042



19.5937, 0.2873, 0.3354



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.



58.6644, 0.2498, 0.3505



79.2948, 0.2428, 0.3556



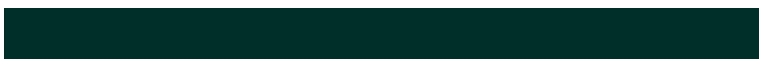
38.6302, 0.2286, 0.2643



14.7992, 0.2999, 0.3320



32.2774, 0.2360, 0.3696



2.0993, 0.2340, 0.3622

Inverse Universe

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



25.1133, 0.4594, 0.3112



28.6677, 0.5088, 0.3102



35.7207, 0.4465, 0.3823



13.0787, 0.3271, 0.3260



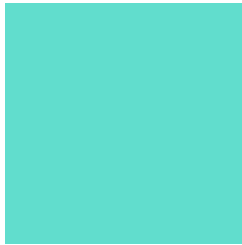
8.9891, 0.6228, 0.3205



0.5915, 0.5864, 0.3004

Previews

White Background



This preview shows how the Yxy color 58.6621, 0.2498, 0.3505 looks on a white background.

Color Contrast Check

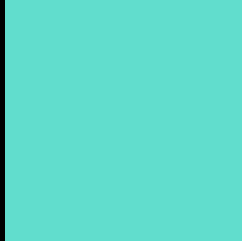
Large Text (above 18pt) WCAG AA × Fail

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 58.6621, 0.2498, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

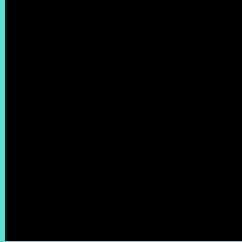
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

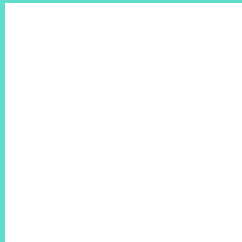
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6621, 0.2498, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 58.6621, 0.2498, 0.3505.

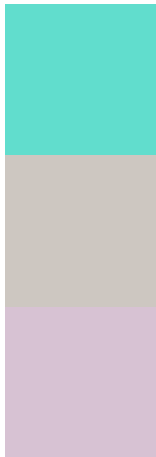


This preview shows how white text looks on a background with the Yxy color 58.6621, 0.2498, 0.3505.

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

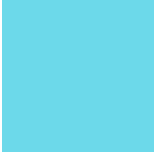
58.6621, 0.2498, 0.3505

Protanopia

57.6762, 0.3219, 0.3362

Deuteranopia

57.7338, 0.3168, 0.3096



Tritanopia

58.7544, 0.2396, 0.3070

Trichromacy



Original Color

58.6621, 0.2498, 0.3505



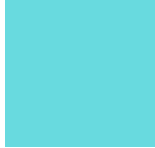
Protanomaly

56.7639, 0.2896, 0.3417



Deuteranomaly

56.5598, 0.2859, 0.3227



Tritanomaly

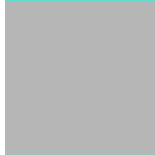
58.4136, 0.2433, 0.3222

Monochromacy



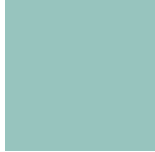
Original Color

58.6621, 0.2498, 0.3505



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

49.7769, 0.2830, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6621, 0.2498, 0.3505 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(97, 221, 205)` looks like.

```
.text, #text, p{  
    color:rgb(97, 221, 205)  
}
```

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(97, 221, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 221, 205) }
```

Border

The CSS property to change the border of an element to Yxy 58.6621, 0.2498, 0.3505 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(97, 221, 205) }
```

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

```
.border{ border-color:rgb(97, 221, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 221, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 221, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 221, 205);  
box-shadow:4px 4px 4px 4px rgb(97, 221,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6621, 0.2498, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 221, 205) }
```

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

```
.background{ background-color: rgb(97, 221,  
205) }
```

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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