

Converting Colors

$Yxy(50.4393, 0.2541, 0.3491)$

Have a look what the booklet for
Yxy(50.4393, 0.2541, 0.3491)
contains.

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Color

Yxy(50.6135, 0.2542, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	64CEBF
RGB	100, 206, 191
RGB Percent	39%, 81%, 75%
CMY	0.6081, 0.1921, 0.2508
CMYK	0.51, 0.00, 0.07, 0.19
HSL	172°, 52%, 60%
HSV	172°, 51%, 81%
XYZ	36.7284, 50.6135, 57.1443
YIQ	172.5960, -58.3610, -27.1370

Conversions

Conversions Part 2

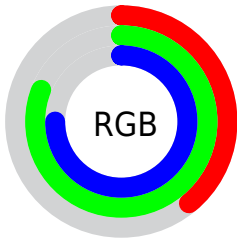
Format	Color
RYB	100, 157, 206
Decimal	6606527
CIELab	76.44, -34.28, -1.94
CIElCh	76, 34.335, 183.236
Yxy	50.6135, 0.2542, 0.3503
Android (android.graphics.Color)	4284796607 (0xFF64CEBF)
YUV	172.5960, 9.0732, -63.6667
Hunter-Lab	71.1432, -32.3481, 2.1768

Details

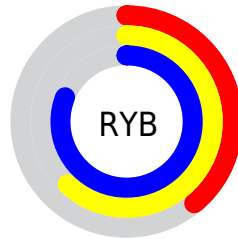
The Yxy color **50.6135, 0.2542, 0.3503** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4609, 0.4382, 0.3106**, and the grayscale version is **41.5422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5045, 0.2633, 0.3378**, and **24.3255, 0.2385, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **49.4597, 0.2471, 0.3552**, and if you desaturate by 10%, it is **52.0707, 0.2630, 0.3456**.

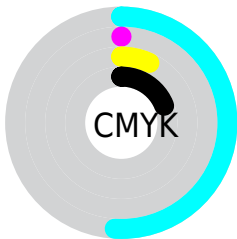
Distribution



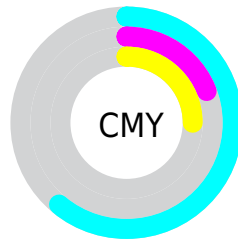
- Red (39%)
- Green (81%)
- Blue (75%)



- Red (39%)
- Yellow (62%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)





- Cyan (61%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6135, 0.2542, 0.3503 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 50.6135, 0.2542, 0.3503 by changing the saturation by 10% instead.

 50.6135, 0.2542,
0.3503

 50.6135, 0.2542,
0.3503

389.0603, 0.2828,
0.3401

 35.9011, 0.2473,
0.3527


 91.0832, 0.2644,
0.3467


 24.3578, 0.2386,
0.3558


 117.6093, 0.2683,
0.3453

 15.5993, 0.2272,
0.3597


 148.8421, 0.2716,
0.3441

 9.2410, 0.2117,
0.3649

 185.1660, 0.2745,
0.3431

 4.8987, 0.1898,
0.3721

226.9653, 0.2769,
0.3422

 2.1880, 0.1564,
0.3824

274.6246, 0.2791,

 0.7134, 0.0000,

0.3414

0.4388

328.5281, 0.2811,
0.3407

0.0000, 0.0000,
0.0000

50.6135, 0.2542,
0.3503

50.6135, 0.2542,
0.3503

49.4597, 0.2471,
0.3552

52.0707, 0.2630,
0.3456

48.5804, 0.2420,
0.3601

53.8459, 0.2733,
0.3411

47.9516, 0.2387,
0.3651

55.9596, 0.2849,
0.3369

47.5418, 0.2374,
0.3701

58.4290, 0.2975,
0.3331

47.3182, 0.2373,
0.3743

61.2704, 0.3107,
0.3295

■ 64.4986, 0.3244,
0.3263

■ 68.1279, 0.3382,
0.3234

■ 70.2768, 0.3444,
0.3206

■ 70.4270, 0.3422,
0.3177

Harmonies

Analogous

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



50.6135, 0.2932, 0.3923



50.6135, 0.2542, 0.3503



50.6135, 0.2314, 0.3048

Triad

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



50.6135, 0.2542, 0.3503



50.6135, 0.2812, 0.2576



50.6135, 0.4037, 0.3789

Complementary

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



50.6135, 0.2542, 0.3503



23.4609, 0.4382, 0.3106

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.



50.6135, 0.4013, 0.3427



50.6135, 0.2542, 0.3503



50.6135, 0.3275, 0.2759

Square

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



50.6135, 0.2542, 0.3503



50.6135, 0.2462, 0.2553



50.6135, 0.3727, 0.3061



50.6135, 0.3803, 0.4060

Rectangle

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



50.6135, 0.2542, 0.3503



50.6135, 0.2274, 0.2804



50.6135, 0.3727, 0.3061



50.6135, 0.4060, 0.3674

Sweetspot

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



50.6155, 0.2542, 0.3503



93.1106, 0.2927, 0.3345



48.7680, 0.3152, 0.4871



19.7461, 0.2900, 0.3353



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.



50.6155, 0.2542, 0.3503



79.9211, 0.2464, 0.3558



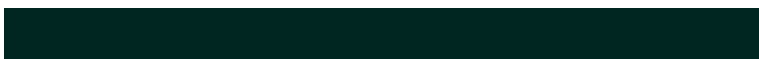
35.4948, 0.2356, 0.2737



12.6988, 0.3002, 0.3323



29.1453, 0.2371, 0.3735



1.5112, 0.2344, 0.3639

Inverse Universe

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



23.4609, 0.4382, 0.3106



31.1280, 0.4840, 0.3084



31.9507, 0.4322, 0.3762



11.2390, 0.3268, 0.3258



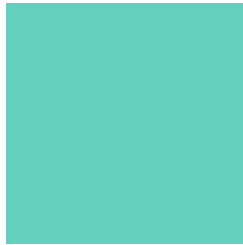
8.1435, 0.6198, 0.3188



0.4287, 0.5739, 0.2935

Previews

White Background



This preview shows how the Yxy color 50.6135, 0.2542, 0.3503 looks on a white background.

Color Contrast Check

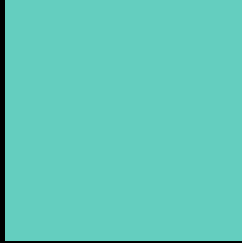
Large Text (above 18pt) WCAG AA × Fail

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 50.6135, 0.2542, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

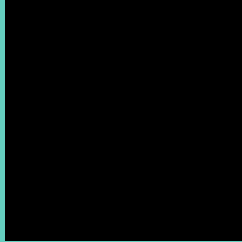
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

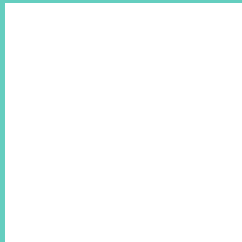
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6135, 0.2542, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 50.6135, 0.2542, 0.3503.

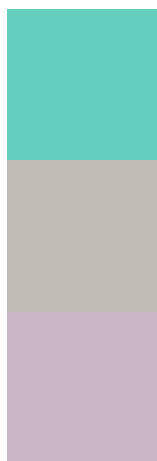


This preview shows how white text looks on a background with the Yxy color 50.6135, 0.2542, 0.3503.

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

50.6135, 0.2542, 0.3503

Protanopia

50.0424, 0.3224, 0.3379

Deuteranopia

49.9980, 0.3186, 0.3120



Tritanopia

50.5542, 0.2435, 0.3071

Trichromacy



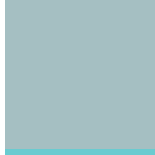
Original Color

50.6135, 0.2542, 0.3503



Protanomaly

49.4152, 0.2927, 0.3424



Deuteranomaly

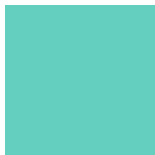
49.1560, 0.2901, 0.3250



Tritanomaly

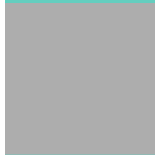
50.3301, 0.2474, 0.3219

Monochromacy



Original Color

50.6135, 0.2542, 0.3503



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.1042, 0.2852, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Y_{xy} 50.6135, 0.2542, 0.3503 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(100, 206, 191)` looks like.

```
.text, #text, p{  
    color:rgb(100, 206, 191)  
}
```

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(100, 206, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 206, 191) }
```

Border

The CSS property to change the border of an element to Yxy 50.6135, 0.2542, 0.3503 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(100, 206, 191) }
```

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

```
.border{ border-color:rgb(100, 206, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 206, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 206, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 206, 191);  
box-shadow:4px 4px 4px 4px rgb(100, 206,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6135, 0.2542, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 206, 191) }
```

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

```
.background{ background-color: rgb(100,  
206, 191) }
```

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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