

Converting Colors

Yxy(51.8482, 0.2567, 0.3286)

Have a look what the booklet for
Yxy(51.8482, 0.2567, 0.3286)
contains.

Yxy(52.0635, 0.2564, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.0635, 0.2564, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	78CDCD
RGB	120, 205, 205
RGB Percent	47%, 80%, 80%
CMY	0.5294, 0.1961, 0.1960
CMYK	0.41, 0.00, 0.00, 0.20
HSL	180°, 46%, 64%
HSV	180°, 41%, 80%
XYZ	40.5994, 52.0635, 65.6811
YIQ	179.5850, -50.6600, -18.0200

Conversions

Conversions Part 2

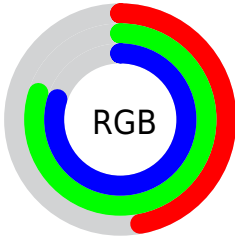
Format	Color
R _{YB}	120, 163, 205
Decimal	7917005
CIE Lab	77.32, -25.68, -8.09
CIE LCh	77, 26.925, 197.494
Yxy	52.0635, 0.2564, 0.3288
Android (android.graphics.Color)	4286107085 (0xFF78CDCD)
YUV	179.5850, 12.5296, -52.2560
Hunter-Lab	72.1550, -25.8349, -3.4618

Details

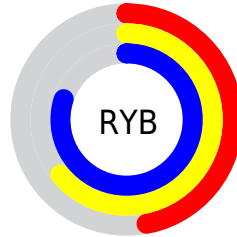
The Yxy color **52.0635, 0.2564, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.7800, 0.4184, 0.3293**, and the grayscale version is **45.3627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **25.1038, 0.2415, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **50.7504, 0.2465, 0.3288**, and if you desaturate by 10%, it is **53.6945, 0.2680, 0.3288**.

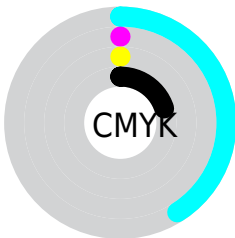
Distribution



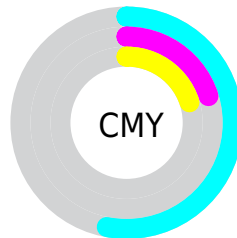
- Red (47%)
- Green (80%)
- Blue (80%)



- Red (47%)
- Yellow (64%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (53%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0635, 0.2564, 0.3288 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 52.0635, 0.2564, 0.3288 by changing the saturation by 10% instead.

 52.0635, 0.2564,
0.3288


 52.0635, 0.2564,
0.3288


394.6817, 0.2836,
0.3294


 37.0557, 0.2499,
0.3285


 93.2249, 0.2661,
0.3291

 25.2506, 0.2418,
0.3280


 120.1472, 0.2697,
0.3292

 16.2639, 0.2312,
0.3272


 151.8099, 0.2729,
0.3293

 9.7111, 0.2171,
0.3259

188.5973, 0.2756,
0.3294

 5.2078, 0.1972,
0.3234

230.8938, 0.2780,
0.3294

 2.3697, 0.1675,
0.3181

279.0837, 0.2801,

 0.8102, 0.0576,

0.3294

333.5516, 0.2819,
0.3294

0.3258

0.0000, 0.0000,
0.0000

52.0635, 0.2564,
0.3288

52.0635, 0.2564,
0.3288

50.7504, 0.2465,
0.3288

53.6945, 0.2680,
0.3288

49.7288, 0.2385,
0.3287

55.6558, 0.2810,
0.3289

48.9783, 0.2324,
0.3287


57.9663, 0.2953,
0.3289


48.4730, 0.2282,
0.3287


60.6419, 0.3104,
0.3290


48.1820, 0.2257,
0.3287


63.6974, 0.3262,
0.3290

 48.0559, 0.2246,
0.3287

 67.1470, 0.3423,
0.3291

 69.3505, 0.3517,
0.3291

 69.3532, 0.3517,
0.3291

 69.3559, 0.3517,
0.3291

Harmonies

Analogous

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



52.0635, 0.2821, 0.3635



52.0635, 0.2564, 0.3288



52.0635, 0.2454, 0.2967

Triad

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



52.0635, 0.2564, 0.3288



52.0635, 0.3051, 0.2778



52.0635, 0.3773, 0.3802

Complementary

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



52.0635, 0.2564, 0.3288



27.7800, 0.4184, 0.3293

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.



52.0635, 0.3850, 0.3548



52.0635, 0.2564, 0.3288



52.0635, 0.3420, 0.2975

Square

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



52.0635, 0.2564, 0.3288



52.0635, 0.2722, 0.2698



52.0635, 0.3719, 0.3250



52.0635, 0.3520, 0.3936

Rectangle

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



52.0635, 0.2564, 0.3288



52.0635, 0.2473, 0.2813



52.0635, 0.3719, 0.3250



52.0635, 0.3821, 0.3727

Sweetspot

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



52.0655, 0.2564, 0.3288



94.6459, 0.2943, 0.3289



49.0241, 0.3068, 0.4561



20.1449, 0.2923, 0.3289



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.



52.0655, 0.2564, 0.3288



83.2682, 0.2473, 0.3288



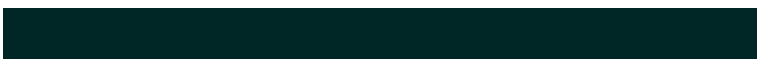
34.4261, 0.2465, 0.2670



12.7265, 0.2984, 0.3290



29.9091, 0.2246, 0.3287



1.5432, 0.2246, 0.3287

Inverse Universe

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



30.8259, 0.3175, 0.2280



43.7860, 0.3184, 0.2083



40.3621, 0.3949, 0.3832



11.4037, 0.3138, 0.3062



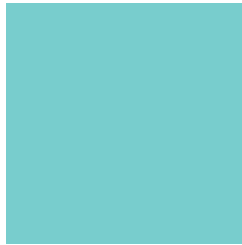
10.8223, 0.3210, 0.1542



0.5583, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 52.0635, 0.2564, 0.3288 looks on a white background.

Color Contrast Check

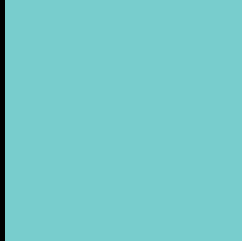
Large Text (above 18pt) WCAG AA × Fail

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 52.0635, 0.2564, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

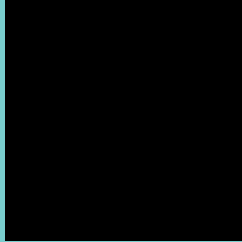
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

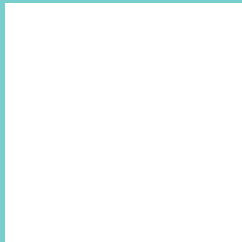
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0635, 0.2564, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 52.0635, 0.2564, 0.3288.



This preview shows how white text looks on a background with the Yxy color 52.0635, 0.2564, 0.3288.

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

52.0635, 0.2564, 0.3288

Protanopia

51.5418, 0.3106, 0.3216

Deuteranopia

51.5807, 0.3067, 0.3003



Tritanopia

52.1114, 0.2506, 0.3076

Trichromacy



Original Color

52.0635, 0.2564, 0.3288

Protanomaly

51.2607, 0.2877, 0.3237

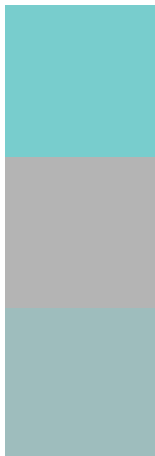
Deuteranomaly

50.9113, 0.2851, 0.3086

Tritanomaly

52.2517, 0.2529, 0.3154

Monochromacy



Original Color

52.0635, 0.2564, 0.3288

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.3384, 0.2882, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0635, 0.2564, 0.3288 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, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(120, 205, 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(120, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 205, 205) }
```

Border

The CSS property to change the border of an element to Yxy 52.0635, 0.2564, 0.3288 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, 205, 205) }
```

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

```
.border{ border-color:rgb(120, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(120, 205,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0635, 0.2564, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 205, 205) }
```

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

```
.background{ background-color: rgb(120,  
205, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor