

Converting Colors

$Y_{xy}(61.5038, 0.2594, 0.3291)$

Have a look what the booklet for
Yxy(61.5038, 0.2594, 0.3291)
contains.

Yxy(61.5046, 0.2593, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.5046, 0.2593, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	87DCDC
RGB	135, 220, 220
RGB Percent	53%, 86%, 86%
CMY	0.4707, 0.1372, 0.1371
CMYK	0.39, 0.00, 0.00, 0.14
HSL	180°, 55%, 70%
HSV	180°, 39%, 86%
XYZ	48.5041, 61.5046, 77.0491
YIQ	194.5850, -50.6600, -18.0200

Conversions

Conversions Part 2

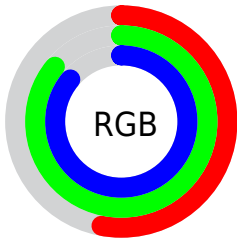
Format	Color
RYB	135, 178, 220
Decimal	8903900
CIELab	82.65, -25.65, -8.14
CIELCh	83, 26.911, 197.604
Yxy	61.5046, 0.2593, 0.3288
Android (android.graphics.Color)	4287093980 (0xFF87DCDC)
YUV	194.5850, 12.5296, -52.2560
Hunter-Lab	78.4249, -26.8451, -3.3525

Details

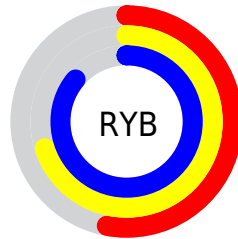
The Yxy color **61.5046, 0.2593, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.3016, 0.4086, 0.3293**, and the grayscale version is **54.2601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **31.2891, 0.2466, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **59.8626, 0.2489, 0.3288**, and if you desaturate by 10%, it is **63.5286, 0.2714, 0.3289**.

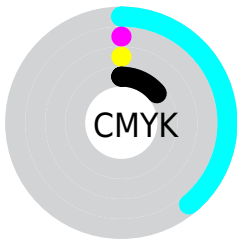
Distribution



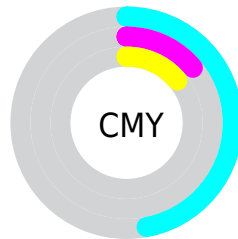
- Red (53%)
- Green (86%)
- Blue (86%)



- Red (53%)
- Yellow (70%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)




- Cyan (47%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5046, 0.2593, 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 61.5046, 0.2593, 0.3288 by changing the saturation by 10% instead.


 61.5046, 0.2593,
0.3288


 61.5046, 0.2593,
0.3288


430.1217, 0.2844,
0.3294


 44.6325, 0.2535,
0.3285


 107.0092, 0.2681,
0.3291

 31.1681, 0.2463,
0.3281


 136.4106, 0.2714,
0.3292

 20.7269, 0.2371,
0.3275


 170.7571, 0.2744,
0.3293

 12.9245, 0.2251,
0.3265

210.4332, 0.2769,
0.3293

 7.3766, 0.2086,
0.3247

255.8234, 0.2791,
0.3293

 3.6987, 0.1848,
0.3211

307.3119, 0.2811,

 1.5065, 0.1467,

0.3294

0.3136

365.2832, 0.2828,
0.3294

0.2933, 0.0000,
0.2482

0.0000, 0.0000,
0.0000

61.5046, 0.2593,
0.3288

61.5046, 0.2593,
0.3288

59.8626, 0.2489,
0.3288

63.5286, 0.2714,
0.3289

58.5719, 0.2403,
0.3287

65.9487, 0.2848,
0.3289

57.6088, 0.2337,
0.3287

68.7871, 0.2994,
0.3290

56.9439, 0.2290,
0.3287

72.0623, 0.3148,
0.3290

■ 56.5423, 0.2261,
0.3286

■ 75.7916, 0.3308,
0.3291

■ 56.3508, 0.2248,
0.3286

■ 77.6436, 0.3381,
0.3291

■ 56.3312, 0.2246,
0.3286

■ 77.6480, 0.3381,
0.3291

■ 77.6523, 0.3381,
0.3291

■ 77.6566, 0.3381,
0.3291

Harmonies

Analogous

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



61.5046, 0.2837, 0.3615



61.5046, 0.2593, 0.3288



61.5046, 0.2489, 0.2984

Triad

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



61.5046, 0.2593, 0.3288



61.5046, 0.3057, 0.2804



61.5046, 0.3738, 0.3777

Complementary

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



61.5046, 0.2593, 0.3288



34.3016, 0.4086, 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.



61.5046, 0.3811, 0.3537



61.5046, 0.2593, 0.3288



61.5046, 0.3405, 0.2993

Square

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



61.5046, 0.2593, 0.3288



61.5046, 0.2745, 0.2728



61.5046, 0.3687, 0.3254



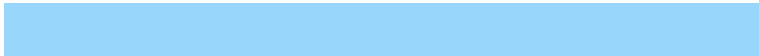
61.5046, 0.3499, 0.3901

Rectangle

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



61.5046, 0.2593, 0.3288



61.5046, 0.2507, 0.2838



61.5046, 0.3687, 0.3254



61.5046, 0.3783, 0.3706

Sweetspot

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



61.5070, 0.2593, 0.3288



94.6440, 0.2943, 0.3289



58.1033, 0.3072, 0.4466



20.1445, 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.



61.5070, 0.2593, 0.3288



84.0897, 0.2511, 0.3288



41.9641, 0.2507, 0.2716



14.8287, 0.2982, 0.3289



33.0484, 0.2246, 0.3286



2.1413, 0.2246, 0.3286

Inverse Universe

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



37.7115, 0.3172, 0.2341



46.5682, 0.3180, 0.2167



48.6155, 0.3884, 0.3798



13.2748, 0.3138, 0.3060



11.9600, 0.3210, 0.1542



0.7749, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 61.5046, 0.2593, 0.3288 looks on a white background.

Color Contrast Check

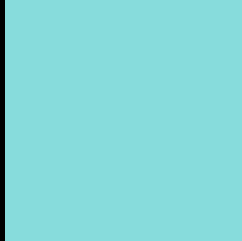
Large Text (above 18pt) WCAG AA × Fail

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 61.5046, 0.2593, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

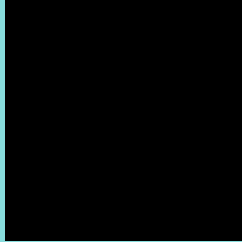
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

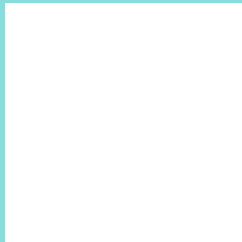
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.5046, 0.2593, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 61.5046, 0.2593, 0.3288.

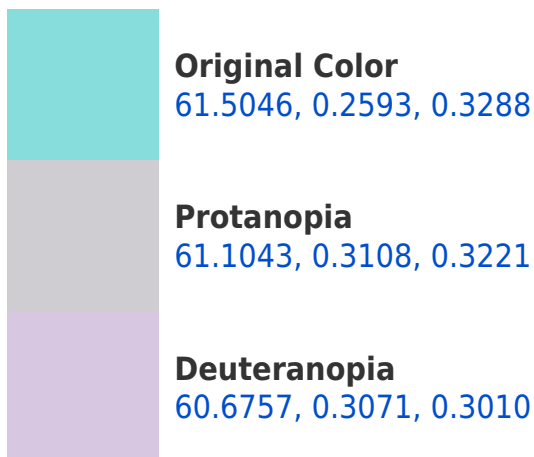


This preview shows how white text looks on a background with the Yxy color 61.5046, 0.2593, 0.3288.

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





Tritanopia

61.6299, 0.2534, 0.3079

Trichromacy



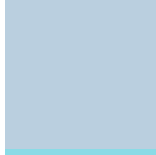
Original Color

61.5046, 0.2593, 0.3288



Protanomaly

60.7720, 0.2893, 0.3241



Deuteranomaly

60.3925, 0.2869, 0.3100



Tritanomaly

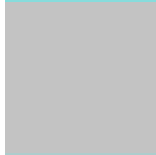
61.7795, 0.2556, 0.3152

Monochromacy



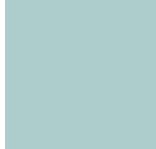
Original Color

61.5046, 0.2593, 0.3288



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

56.4296, 0.2899, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5046, 0.2593, 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(135, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(135, 220, 220)  
}
```

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(135, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 220, 220) }
```

Border

The CSS property to change the border of an element to Yxy 61.5046, 0.2593, 0.3288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

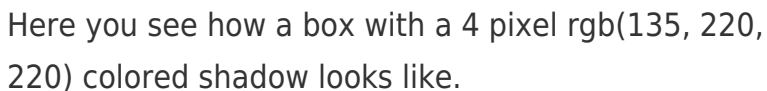
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 220, 220) }
```

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

```
.border{ border-color:rgb(135, 220, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 220, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 220, 220); box-shadow:4px 4px 4px 4px rgb(135, 220, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5046, 0.2593, 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(135, 220, 220) }
```

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

```
.background{ background-color: rgb(135,  
220, 220) }
```

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