

Converting Colors

$Y_{xy}(61.3295, 0.2645, 0.3394)$

Have a look what the booklet for
Yxy(61.3295, 0.2645, 0.3394)
contains.

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Color

Yxy(61.2582, 0.2646, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	89DCD4
RGB	137, 220, 212
RGB Percent	54%, 86%, 83%
CMY	0.4625, 0.1373, 0.1686
CMYK	0.38, 0.00, 0.04, 0.14
HSL	174°, 54%, 70%
HSV	174°, 38%, 86%
XYZ	47.7998, 61.2582, 71.5913
YIQ	194.2710, -46.9000, -20.0840

Conversions

Conversions Part 2

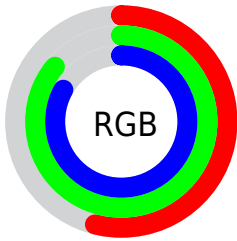
Format	Color
RYB	137, 181, 220
Decimal	9034964
CIELab	82.52, -27.03, -4.05
CIELCh	83, 27.328, 188.533
Yxy	61.2582, 0.2646, 0.3391
Android (android.graphics.Color)	4287225044 (0xFF89DCD4)
YUV	194.2710, 8.7404, -50.2267
Hunter-Lab	78.2676, -27.9543, 0.5548

Details

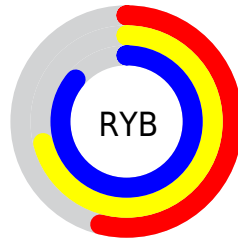
The Yxy color **61.2582, 0.2646, 0.3391** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.1684, 0.3960, 0.3196**, and the grayscale version is **54.0940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **31.1384, 0.2534, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **59.4799, 0.2548, 0.3422**, and if you desaturate by 10%, it is **63.4219, 0.2759, 0.3361**.

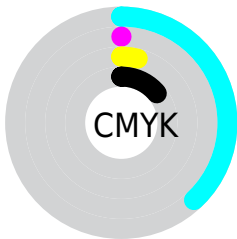
Distribution



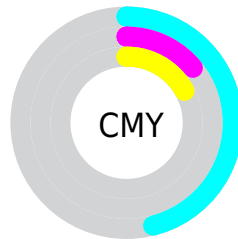
- Red (54%)
- Green (86%)
- Blue (83%)



- Red (54%)
- Yellow (71%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)





- Cyan (46%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2582, 0.2646, 0.3391 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 61.2582, 0.2646, 0.3391 by changing the saturation by 10% instead.


 61.2582, 0.2646,
0.3391

 61.2582, 0.2646,
0.3391


429.2201, 0.2873,
0.3346


 44.4336, 0.2593,
0.3401


 106.6527, 0.2726,
0.3376

 31.0115, 0.2527,
0.3413


 135.9914, 0.2756,
0.3370

 20.6076, 0.2443,
0.3428


 170.2702, 0.2783,
0.3364

 12.8375, 0.2331,
0.3446

209.8735, 0.2806,
0.3360

 7.3167, 0.2177,
0.3469

255.1858, 0.2826,
0.3356

 3.6610, 0.1951,
0.3498

306.5914, 0.2843,

 1.4858, 0.1567,

0.3352

0.3542

364.4747, 0.2859,
0.3349

0.2787, 0.0000,
0.3220

0.0000, 0.0000,
0.0000

61.2582, 0.2646,
0.3391

61.2582, 0.2646,
0.3391

59.4799, 0.2548,
0.3422

63.4219, 0.2759,
0.3361

58.0564, 0.2467,
0.3454

65.9849, 0.2884,
0.3334

56.9644, 0.2405,
0.3487

68.9692, 0.3019,
0.3308

56.1749, 0.2363,
0.3521

72.3933, 0.3160,
0.3285

■ 55.6535, 0.2339,
0.3554

■ 76.2744, 0.3305,
0.3264

■ 55.3530, 0.2332,
0.3586

■ 77.8652, 0.3348,
0.3243

■ 55.2977, 0.2332,
0.3594

■ 77.9814, 0.3333,
0.3222

■ 78.0992, 0.3319,
0.3201

■ 78.2184, 0.3304,
0.3180

Harmonies

Analogous

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



61.2582, 0.2928, 0.3707



61.2582, 0.2646, 0.3391



61.2582, 0.2494, 0.3064

Triad

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



61.2582, 0.2646, 0.3391



61.2582, 0.2952, 0.2760



61.2582, 0.3791, 0.3719

Complementary

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



61.2582, 0.2646, 0.3391



35.1684, 0.3960, 0.3196

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.



61.2582, 0.3805, 0.3455



61.2582, 0.2646, 0.3391



61.2582, 0.3305, 0.2920

Square

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



61.2582, 0.2646, 0.3391



61.2582, 0.2662, 0.2722



61.2582, 0.3624, 0.3168



61.2582, 0.3592, 0.3890

Rectangle

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



61.2582, 0.2646, 0.3391



61.2582, 0.2480, 0.2891



61.2582, 0.3624, 0.3168



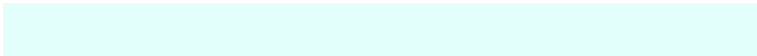
61.2582, 0.3818, 0.3638

Sweetspot

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



61.2606, 0.2646, 0.3391



94.8898, 0.2972, 0.3317



59.0434, 0.3128, 0.4414



20.1867, 0.2954, 0.3320



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.



61.2606, 0.2646, 0.3391



83.6451, 0.2569, 0.3415



45.9546, 0.2540, 0.2848



14.8068, 0.2995, 0.3312



32.4644, 0.2330, 0.3589



2.1096, 0.2315, 0.3535

Inverse Universe

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



35.1684, 0.3960, 0.3196



42.3338, 0.4224, 0.3178



45.8594, 0.3898, 0.3689



13.0718, 0.3277, 0.3268



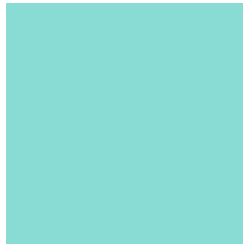
8.9695, 0.6284, 0.3235



0.5882, 0.5987, 0.3072

Previews

White Background



This preview shows how the Yxy color 61.2582, 0.2646, 0.3391 looks on a white background.

Color Contrast Check

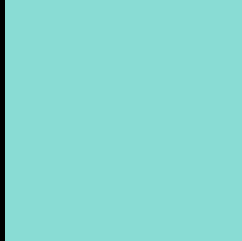
Large Text (above 18pt) WCAG AA × Fail

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 61.2582, 0.2646, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

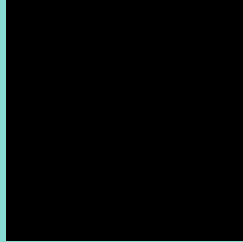
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.2582, 0.2646, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 61.2582, 0.2646, 0.3391.

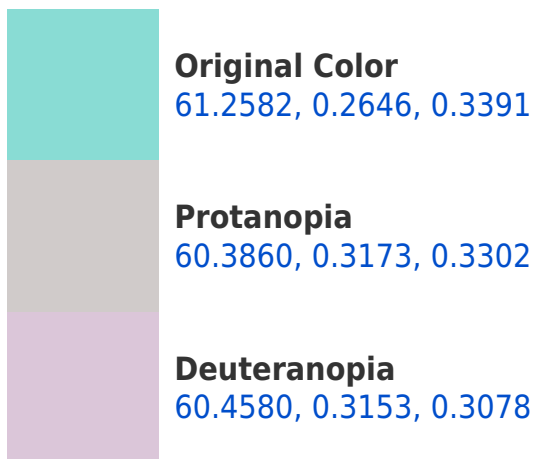


This preview shows how white text looks on a background with the Yxy color 61.2582, 0.2646, 0.3391.

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

61.4059, 0.2557, 0.3079

Trichromacy



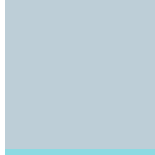
Original Color

61.2582, 0.2646, 0.3391



Protanomaly

60.0022, 0.2951, 0.3326



Deuteranomaly

59.8677, 0.2941, 0.3182



Tritanomaly

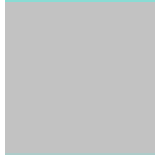
61.2965, 0.2590, 0.3189

Monochromacy



Original Color

61.2582, 0.2646, 0.3391



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

55.8132, 0.2918, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2582, 0.2646, 0.3391 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(137, 220, 212)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 212)  
}
```

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(137, 220, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 212) }
```

Border

The CSS property to change the border of an element to Yxy 61.2582, 0.2646, 0.3391 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(137, 220, 212) }
```

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

```
.border{ border-color:rgb(137, 220, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 220, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 212);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2582, 0.2646, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 212) }
```

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

```
.background{ background-color: rgb(137,  
220, 212) }
```

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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