

Converting Colors

$Yxy(61.7166, 0.2700, 0.3407)$

Have a look what the booklet for
Yxy(61.7166, 0.2700, 0.3407)
contains.

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Color

Yxy(61.8593, 0.2700, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	91DCD2
RGB	145, 220, 210
RGB Percent	57%, 86%, 82%
CMY	0.4316, 0.1372, 0.1765
CMYK	0.34, 0.00, 0.05, 0.14
HSL	172°, 52%, 72%
HSV	172°, 34%, 86%
XYZ	48.8935, 61.8593, 70.3342
YIQ	196.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

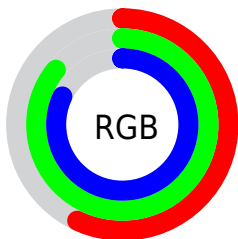
Format	Color
RYB	145, 185, 220
Decimal	9559250
CIELab	82.84, -25.40, -2.48
CIELCh	83, 25.521, 185.570
Yxy	61.8593, 0.2700, 0.3416
Android (android.graphics.Color)	4287749330 (0xFF91DCD2)
YUV	196.4350, 6.6875, -45.1085
Hunter-Lab	78.6507, -26.6735, 2.0348

Details

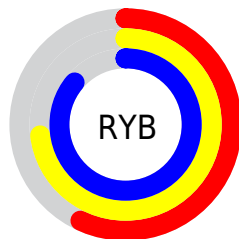
The Yxy color **61.8593, 0.2700, 0.3416** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.8129, 0.3820, 0.3171**, and the grayscale version is **55.4469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **31.5347, 0.2595, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **59.9091, 0.2600, 0.3459**, and if you desaturate by 10%, it is **64.2041, 0.2814, 0.3376**.

Distribution



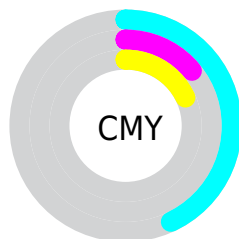
- Red (57%)
- Green (86%)
- Blue (82%)



- Red (57%)
- Yellow (73%)
- Blue (86%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)





- Cyan (43%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8593, 0.2700, 0.3416 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 61.8593, 0.2700, 0.3416 by changing the saturation by 10% instead.

 61.8593, 0.2700,
0.3416


 61.8593, 0.2700,
0.3416


431.4177, 0.2902,
0.3358

 44.9190, 0.2653,
0.3429


 107.5222, 0.2771,
0.3396

 31.3936, 0.2594,
0.3446


 137.0135, 0.2798,
0.3388

 20.8988, 0.2519,
0.3466

171.4574, 0.2822,
0.3381

 13.0500, 0.2419,
0.3493

211.2381, 0.2842,
0.3375

 7.4630, 0.2280,
0.3529

256.7401, 0.2860,
0.3370

 3.7533, 0.2076,
0.3579

308.3478, 0.2876,

 1.5365, 0.1739,

0.3366

366.4455, 0.2889,
0.3362

0.3656

0.3142, 0.0000,
0.3788

0.0000, 0.0000,
0.0000

61.8593, 0.2700,
0.3416

61.8593, 0.2700,
0.3416

59.9091, 0.2600,
0.3459

64.2041, 0.2814,
0.3376

58.3235, 0.2515,
0.3504

66.9568, 0.2939,
0.3338

57.0804, 0.2449,
0.3550

70.1389, 0.3071,
0.3303

56.1519, 0.2403,
0.3597

73.7684, 0.3208,
0.3272

■ 55.5059, 0.2375,
0.3644

■ 77.8623, 0.3348,
0.3244

■ 55.1031, 0.2366,
0.3691

■ 78.0351, 0.3328,
0.3215

■ 54.9419, 0.2366,
0.3718

■ 78.1991, 0.3308,
0.3186

■ 78.3660, 0.3287,
0.3157

■ 78.5356, 0.3267,
0.3128

Harmonies

Analogous

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



61.8593, 0.2973, 0.3701



61.8593, 0.2700, 0.3416



61.8593, 0.2543, 0.3108

Triad

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



61.8593, 0.2700, 0.3416



61.8593, 0.2934, 0.2785



61.8593, 0.3755, 0.3671

Complementary

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



61.8593, 0.2700, 0.3416



37.8129, 0.3820, 0.3171

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.



61.8593, 0.3748, 0.3419



61.8593, 0.2700, 0.3416



61.8593, 0.3261, 0.2925

Square

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



61.8593, 0.2700, 0.3416



61.8593, 0.2672, 0.2763



61.8593, 0.3564, 0.3152



61.8593, 0.3586, 0.3839

Rectangle

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



61.8593, 0.2700, 0.3416



61.8593, 0.2520, 0.2940



61.8593, 0.3564, 0.3152



61.8593, 0.3774, 0.3593

Sweetspot

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



61.8618, 0.2700, 0.3416



95.2632, 0.2991, 0.3324



60.3247, 0.3156, 0.4283



20.2585, 0.2973, 0.3328



0.0000, 0.0000, 0.0000



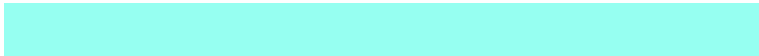
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.8618, 0.2700, 0.3416



84.4007, 0.2626, 0.3447



49.6482, 0.2601, 0.2947



14.7981, 0.3000, 0.3321



32.2513, 0.2364, 0.3711



2.0979, 0.2343, 0.3635

Inverse Universe

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



37.8129, 0.3820, 0.3171



45.9114, 0.4040, 0.3146



46.4661, 0.3821, 0.3607



13.0797, 0.3271, 0.3259



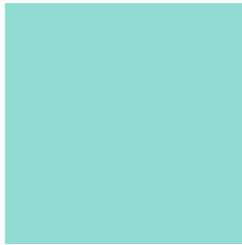
8.9923, 0.6219, 0.3200



0.5919, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 61.8593, 0.2700, 0.3416 looks on a white background.

Color Contrast Check

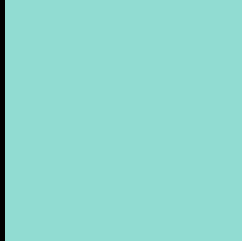
Large Text (above 18pt) WCAG AA × Fail

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 61.8593, 0.2700, 0.3416 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

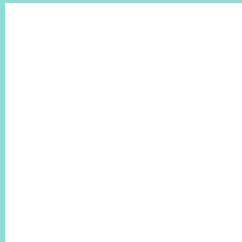
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8593, 0.2700, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 61.8593, 0.2700, 0.3416.

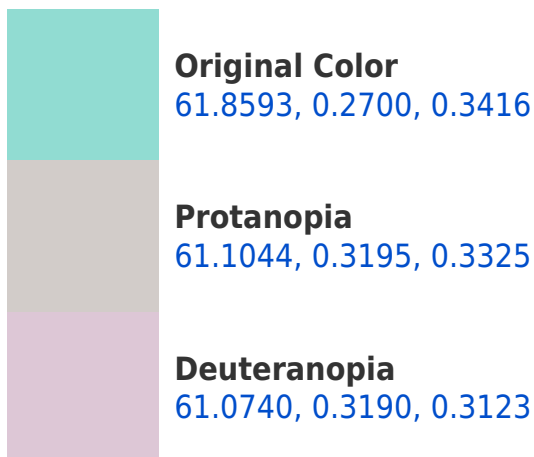


This preview shows how white text looks on a background with the Yxy color 61.8593, 0.2700, 0.3416.

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

61.6316, 0.2598, 0.3069

Trichromacy



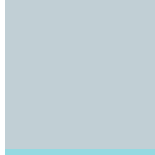
Original Color

61.8593, 0.2700, 0.3416



Protanomaly

60.8919, 0.2992, 0.3362



Deuteranomaly

60.7672, 0.2983, 0.3219



Tritanomaly

61.4515, 0.2637, 0.3190

Monochromacy



Original Color

61.8593, 0.2700, 0.3416



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.2268, 0.2947, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8593, 0.2700, 0.3416 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(145, 220, 210)` looks like.

```
.text, #text, p{  
    color:rgb(145, 220, 210)  
}
```

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(145, 220, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 220, 210) }
```

Border

The CSS property to change the border of an element to Yxy 61.8593, 0.2700, 0.3416 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(145, 220, 210) }
```

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

```
.border{ border-color:rgb(145, 220, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 220, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 220, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 220, 210);  
box-shadow:4px 4px 4px 4px rgb(145, 220,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8593, 0.2700, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 220, 210) }
```

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

```
.background{ background-color: rgb(145,  
220, 210) }
```

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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