

Converting Colors

$Yxy(59.8977, 0.2595, 0.3741)$

Have a look what the booklet for
Yxy(59.8977, 0.2595, 0.3741)
contains.

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Color

Yxy(59.8977, 0.2595, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	66E0BF
RGB	102, 224, 191
RGB Percent	40%, 88%, 75%
CMY	0.5995, 0.1216, 0.2510
CMYK	0.54, 0.00, 0.15, 0.12
HSL	164°, 66%, 64%
HSV	164°, 54%, 88%
XYZ	41.5489, 59.8977, 58.6648
YIQ	183.7600, -62.1190, -36.1270

Conversions

Conversions Part 2

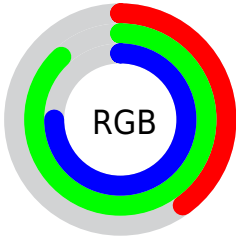
Format	Color
RYB	102, 173, 224
Decimal	6742207
CIELab	81.78, -42.01, 5.85
CIELCh	82, 42.412, 172.075
Yxy	59.8977, 0.2595, 0.3741
Android (android.graphics.Color)	4284932287 (0xFF66E0BF)
YUV	183.7600, 3.5693, -71.7035
Hunter-Lab	77.3936, -39.6107, 9.2333

Details

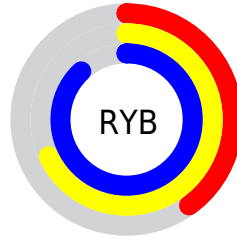
The Yxy color **59.8977, 0.2595, 0.3741** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.1233, 0.4284, 0.2913**, and the grayscale version is **47.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8125, 0.2647, 0.3377**, and **30.1473, 0.2454, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **58.5003, 0.2540, 0.3841**, and if you desaturate by 10%, it is **61.6645, 0.2667, 0.3645**.

Distribution



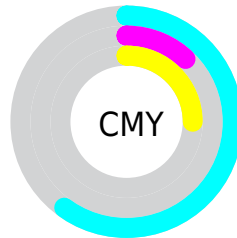
- Red (40%)
- Green (88%)
- Blue (75%)



- Red (40%)
- Yellow (68%)
- Blue (88%)



- Cyan (54%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)




- Cyan (60%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8977, 0.2595, 0.3741 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 59.8977, 0.2595, 0.3741 by changing the saturation by 10% instead.


 59.8977, 0.2595,
0.3741

 59.8977, 0.2595,
0.3741


424.2206, 0.2851,
0.3520

 43.3362, 0.2534,
0.3795


 104.6813, 0.2686,
0.3662

 30.1490, 0.2457,
0.3863


 133.6721, 0.2721,
0.3632

 19.9517, 0.2358,
0.3952

 167.5748, 0.2750,
0.3606

 12.3599, 0.2225,
0.4075

 206.7738, 0.2776,
0.3584

 6.9893, 0.2038,
0.4251

251.6535, 0.2798,
0.3565

 3.4554, 0.1758,
0.4526

302.5983, 0.2818,

 1.3739, 0.0824,

0.3548

0.5283

359.9925, 0.2836,
0.3533

0.1973, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.8977, 0.2595,
0.3741

59.8977, 0.2595,
0.3741

58.5003, 0.2540,
0.3841

61.6645, 0.2667,
0.3645

57.4358, 0.2505,
0.3943


63.8197, 0.2755,
0.3554

56.6728, 0.2489,
0.4046

66.3893, 0.2854,
0.3469


56.1697, 0.2493,
0.4147

69.3949, 0.2962,
0.3391


 55.9643, 0.2501,
0.4204

 72.8568, 0.3076,
0.3319

 76.7939, 0.3193,
0.3255

 80.4751, 0.3284,
0.3197

 80.8285, 0.3243,
0.3137

 81.1938, 0.3203,
0.3079

Harmonies

Analogous

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



59.8977, 0.3091, 0.4168



59.8977, 0.2595, 0.3741



59.8977, 0.2259, 0.3188

Triad

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



59.8977, 0.2595, 0.3741



59.8977, 0.2589, 0.2437



59.8977, 0.4217, 0.3705

Complementary

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



59.8977, 0.2595, 0.3741



27.1233, 0.4284, 0.2913

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.



59.8977, 0.4072, 0.3278



59.8977, 0.2595, 0.3741



59.8977, 0.3087, 0.2583

Square

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



59.8977, 0.2595, 0.3741



59.8977, 0.2260, 0.2479



59.8977, 0.3642, 0.2882



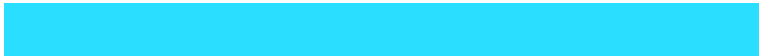
59.8977, 0.4041, 0.4079

Rectangle

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



59.8977, 0.2595, 0.3741



59.8977, 0.2157, 0.2865



59.8977, 0.3642, 0.2882



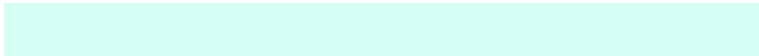
59.8977, 0.4205, 0.3564

Sweetspot

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



59.9001, 0.2595, 0.3741



92.3754, 0.2943, 0.3403



59.5568, 0.3252, 0.4926



19.5872, 0.2920, 0.3419



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.



59.9001, 0.2595, 0.3741



78.3165, 0.2535, 0.3852



48.4115, 0.2363, 0.2929



15.5057, 0.3018, 0.3354



32.5983, 0.2497, 0.4188



2.2743, 0.2453, 0.4032

Inverse Universe

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



27.1233, 0.4284, 0.2913



30.1707, 0.4674, 0.2870



32.3822, 0.4547, 0.3598



13.7612, 0.3250, 0.3227



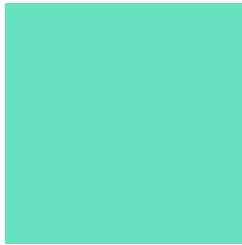
9.4345, 0.5855, 0.2999



0.6687, 0.5413, 0.2756

Previews

White Background



This preview shows how the Yxy color 59.8977, 0.2595, 0.3741 looks on a white background.

Color Contrast Check

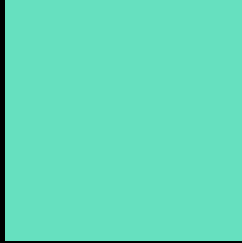
Large Text (above 18pt) WCAG AA × Fail

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 59.8977, 0.2595, 0.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

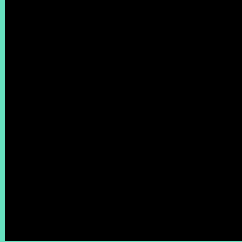
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

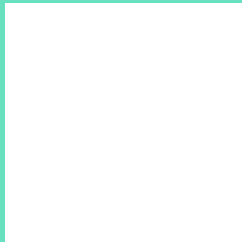
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.8977, 0.2595, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 59.8977, 0.2595, 0.3741.

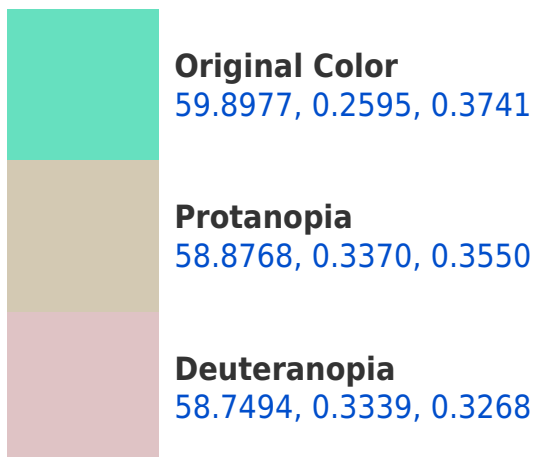


This preview shows how white text looks on a background with the Yxy color 59.8977, 0.2595, 0.3741.

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

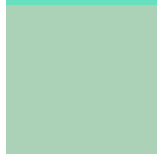
59.9229, 0.2431, 0.3073

Trichromacy



Original Color

59.8977, 0.2595, 0.3741



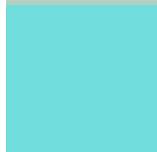
Protanomaly

57.6778, 0.3024, 0.3623



Deuteranomaly

57.6664, 0.3002, 0.3427



Tritanomaly

59.7456, 0.2490, 0.3301

Monochromacy



Original Color

59.8977, 0.2595, 0.3741



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.3047, 0.2873, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8977, 0.2595, 0.3741 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(102, 224, 191)` looks like.

```
.text, #text, p{  
    color:rgb(102, 224, 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(102, 224, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 224, 191) }
```

Border

The CSS property to change the border of an element to Yxy 59.8977, 0.2595, 0.3741 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(102, 224, 191) }
```

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

```
.border{ border-color:rgb(102, 224, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 224, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 224, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 224, 191);  
box-shadow:4px 4px 4px 4px rgb(102, 224,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8977, 0.2595, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 224, 191) }
```

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

```
.background{ background-color: rgb(102,  
224, 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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