

Converting Colors

Yxy(59.4565, 0.2697, 0.4531)

Have a look what the booklet for
Yxy(59.4565, 0.2697, 0.4531)
contains.

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Color

Yxy(59.7280, 0.2697, 0.4535)

Conversions

Conversions Part 1

Format	Color
Hex	40E691
RGB	64, 230, 145
RGB Percent	25%, 90%, 57%
CMY	0.7493, 0.0980, 0.4313
CMYK	0.72, 0.00, 0.37, 0.10
HSL	149°, 77%, 58%
HSV	149°, 72%, 90%
XYZ	35.5207, 59.7280, 36.4558
YIQ	170.6760, -71.6510, -61.6270

Conversions

Conversions Part 2

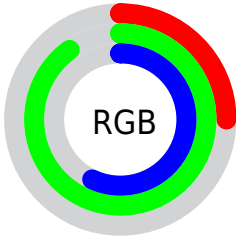
Format	Color
RYB	64, 176, 230
Decimal	4253329
CIELab	81.69, -60.93, 29.55
CIELCh	82, 67.717, 154.124
Yxy	59.7280, 0.2697, 0.4535
Android (android.graphics.Color)	4282443409 (0xFF40E691)
YUV	170.6760, -12.6583, -93.5549
Hunter-Lab	77.2839, -53.2058, 26.1309

Details

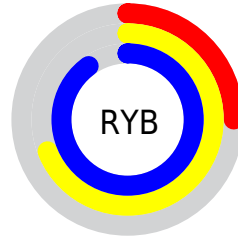
The Yxy color **59.7280, 0.2697, 0.4535** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **22.6515, 0.4279, 0.2430**, and the grayscale version is **40.6392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5491, 0.2741, 0.3972**, and **30.6953, 0.2681, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **58.7680, 0.2697, 0.4736**, and if you desaturate by 10%, it is **61.0480, 0.2717, 0.4332**.

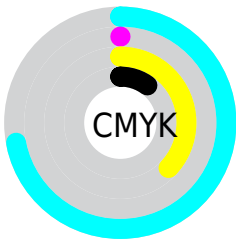
Distribution



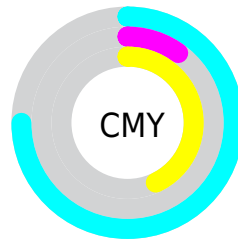
- Red (25%)
- Green (90%)
- Blue (57%)



- Red (25%)
- Yellow (69%)
- Blue (90%)



- Cyan (72%)
- Magenta (0%)
- Yellow (37%)
- Black (10%)




- Cyan (75%)
- Magenta (10%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7280, 0.2697, 0.4535 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 59.7280, 0.2697, 0.4535 by changing the saturation by 10% instead.


 59.7280, 0.2697,
0.4535

 59.7280, 0.2697,
0.4535

423.5945, 0.2926,
0.3893

 43.1994, 0.2636,
0.4699

 104.4350, 0.2783,
0.4298


 30.0416, 0.2556,
0.4912

 133.3822, 0.2815,
0.4210

 19.8702, 0.2446,
0.5197


 167.2378, 0.2841,
0.4137

 12.3007, 0.2289,
0.5596

 206.3861, 0.2863,
0.4074

 6.9488, 0.2047,
0.6183

251.2115, 0.2882,
0.4019

 3.4301, 0.1665,
0.7186

302.0984, 0.2899,

 1.3602, 0.0000,

0.3972

1.0000

359.4313, 0.2913,
0.3930

■ 0.1871, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7280, 0.2697,
0.4535

■ 59.7280, 0.2697,
0.4535

■ 58.7680, 0.2697,
0.4736

■ 61.0480, 0.2717,
0.4332


■ 58.1177, 0.2716,
0.4928


■ 62.7568, 0.2756,
0.4133


■ 57.7739, 0.2742,
0.5071

■ 64.8881, 0.2809,
0.3943


■ 67.4700, 0.2875,
0.3764

 70.5280, 0.2948,
0.3600

 74.0856, 0.3027,
0.3451

 78.1650, 0.3109,
0.3317

 82.7867, 0.3191,
0.3199

 84.8194, 0.3164,
0.3087

Harmonies

Analogous

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



59.7280, 0.3510, 0.4904



59.7280, 0.2697, 0.4535



59.7280, 0.2047, 0.3638

Triad

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



59.7280, 0.2697, 0.4535



59.7280, 0.1976, 0.2009



59.7280, 0.4787, 0.3462

Complementary

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



59.7280, 0.2697, 0.4535



22.6515, 0.4279, 0.2430

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.



59.7280, 0.4265, 0.2872



59.7280, 0.2697, 0.4535



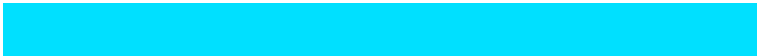
59.7280, 0.2561, 0.2079

Square

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



59.7280, 0.2697, 0.4535



59.7280, 0.1693, 0.2216



59.7280, 0.3399, 0.2384



59.7280, 0.4759, 0.4085

Rectangle

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



59.7280, 0.2697, 0.4535



59.7280, 0.1784, 0.3022



59.7280, 0.3399, 0.2384



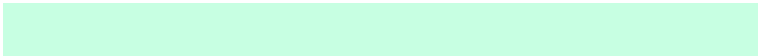
59.7280, 0.4671, 0.3259

Sweetspot

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



59.7304, 0.2697, 0.4535



89.1556, 0.2949, 0.3599



63.4261, 0.3478, 0.5283



18.8440, 0.2928, 0.3642



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.



59.7304, 0.2697, 0.4535



73.7832, 0.2704, 0.4839



63.2444, 0.2329, 0.3324



16.2059, 0.3050, 0.3413



32.7309, 0.2734, 0.5042



2.4374, 0.2659, 0.4771

Inverse Universe

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



22.6515, 0.4279, 0.2430



24.4523, 0.4648, 0.2416



20.8859, 0.5561, 0.3275



14.4905, 0.3213, 0.3170



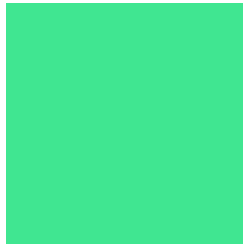
10.2854, 0.4905, 0.2475



0.7788, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 59.7280, 0.2697, 0.4535 looks on a white background.

Color Contrast Check

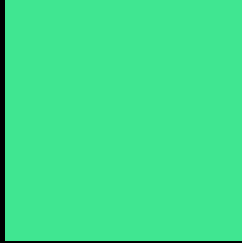
Large Text (above 18pt) WCAG AA × Fail

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 59.7280, 0.2697, 0.4535 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 59.7280, 0.2697, 0.4535

Background



This preview shows how black text looks on a background with the Yxy color 59.7280, 0.2697, 0.4535.

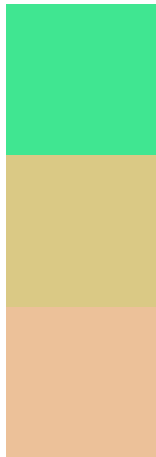


This preview shows how white text looks on a background with the Yxy color 59.7280, 0.2697, 0.4535.

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

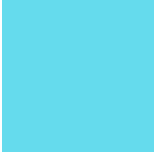
59.7280, 0.2697, 0.4535

Protanopia

58.3722, 0.3778, 0.4082

Deuteranopia

58.2727, 0.3810, 0.3737



Tritanopia

59.5442, 0.2362, 0.3058

Trichromacy



Original Color

59.7280, 0.2697, 0.4535



Protanomaly

56.5745, 0.3258, 0.4291



Deuteranomaly

55.2289, 0.3266, 0.4026



Tritanomaly

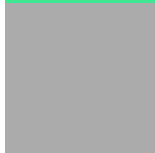
59.2097, 0.2475, 0.3548

Monochromacy



Original Color

59.7280, 0.2697, 0.4535



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.2134, 0.2879, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7280, 0.2697, 0.4535 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(64, 230, 145)` looks like.

```
.text, #text, p{  
    color:rgb(64, 230, 145)  
}
```

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(64, 230, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 230, 145) }
```

Border

The CSS property to change the border of an element to Yxy 59.7280, 0.2697, 0.4535 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(64, 230, 145) }
```

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

```
.border{ border-color:rgb(64, 230, 145) }
```

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

Here you see how a box with a 4 pixel rgb(64, 230, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 230, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 230, 145);  
box-shadow:4px 4px 4px 4px rgb(64, 230,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7280, 0.2697, 0.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 230, 145) }
```

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

```
.background{ background-color: rgb(64, 230,  
145) }
```

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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