

Converting Colors

$Yxy(65.6766, 0.2655, 0.4580)$

Have a look what the booklet for
Yxy(65.6766, 0.2655, 0.4580)
contains.

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Color

Yxy(65.6705, 0.2656, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	2DF196
RGB	45, 241, 150
RGB Percent	18%, 95%, 59%
CMY	0.8235, 0.0549, 0.4118
CMYK	0.81, 0.00, 0.38, 0.05
HSL	152°, 88%, 56%
HSV	152°, 81%, 95%
XYZ	38.0416, 65.6705, 39.5169
YIQ	172.0220, -87.6050, -69.8530

Conversions

Conversions Part 2

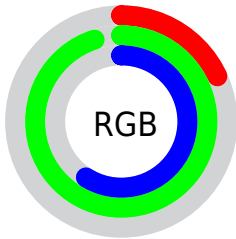
Format	Color
RYB	45, 173, 241
Decimal	3010966
CIELab	84.83, -66.13, 31.18
CIELCh	85, 73.110, 154.755
Yxy	65.6705, 0.2656, 0.4585
Android (android.graphics.Color)	4281201046 (0xFF2DF196)
YUV	172.0220, -10.8568, -111.3983
Hunter-Lab	81.0373, -58.0215, 27.8141

Details

The Yxy color **65.6705, 0.2656, 0.4585** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.3583, 0.4658, 0.2500**, and the grayscale version is **41.3586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2129, 0.2679, 0.3901**, and **34.7488, 0.2690, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **64.9299, 0.2671, 0.4764**, and if you desaturate by 10%, it is **66.7623, 0.2661, 0.4401**.

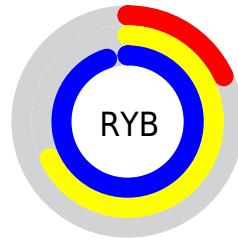
Distribution



Red (18%)

Green (95%)

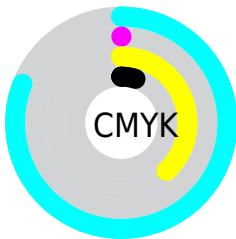
Blue (59%)



Red (18%)

Yellow (68%)

Blue (95%)

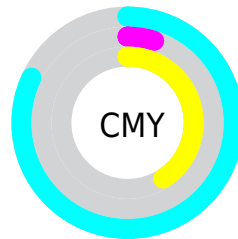


Cyan (81%)

Magenta (0%)

Yellow (38%)

Black (5%)



Cyan (82%)

Magenta (5%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6705, 0.2656, 0.4585 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 65.6705, 0.2656, 0.4585 by changing the saturation by 10% instead.


 65.6705, 0.2656,
0.4585

 65.6705, 0.2656,
0.4585


445.1976, 0.2902,
0.3926

 48.0050, 0.2592,
0.4751


 113.0133, 0.2748,
0.4344

 33.8308, 0.2509,
0.4963


 143.4593, 0.2781,
0.4254


 22.7637, 0.2397,
0.5245


 178.9343, 0.2810,
0.4178

 14.4191, 0.2239,
0.5633

 219.8227, 0.2834,
0.4113

 8.4127, 0.2003,
0.6194

 266.5088, 0.2854,
0.4057

 4.3602, 0.1631,
0.7054

319.3770, 0.2873,

 1.8770, 0.0000,

0.4008

1.0000

378.8118, 0.2888,
0.3965

■ 0.5345, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6705, 0.2656,
0.4585

■ 65.6705, 0.2656,
0.4585

■ 64.9299, 0.2671,
0.4764


■ 66.7623, 0.2661,
0.4401


■ 64.5004, 0.2698,
0.4912

■ 68.2447, 0.2687,
0.4217


■ 70.1597, 0.2730,
0.4038


■ 72.5419, 0.2790,
0.3867

 75.4221, 0.2861,
0.3706

 78.8286, 0.2941,
0.3559

 82.7873, 0.3027,
0.3425

 87.3225, 0.3115,
0.3305

 91.1207, 0.3159,
0.3197

Harmonies

Analogous

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



65.6705, 0.3499, 0.4981



65.6705, 0.2656, 0.4585



65.6705, 0.1990, 0.3630

Triad

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



65.6705, 0.2656, 0.4585



65.6705, 0.1942, 0.1960



65.6705, 0.4866, 0.3472

Complementary

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



65.6705, 0.2656, 0.4585



22.3583, 0.4658, 0.2500

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.



65.6705, 0.4333, 0.2864



65.6705, 0.2656, 0.4585



65.6705, 0.2551, 0.2039

Square

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



65.6705, 0.2656, 0.4585



65.6705, 0.1644, 0.2163



65.6705, 0.3429, 0.2359



65.6705, 0.4817, 0.4117

Rectangle

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



65.6705, 0.2656, 0.4585



65.6705, 0.1726, 0.2986



65.6705, 0.3429, 0.2359



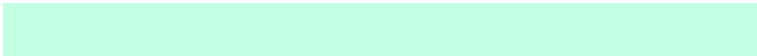
65.6705, 0.4750, 0.3263

Sweetspot

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



65.6731, 0.2656, 0.4585



88.4856, 0.2918, 0.3598



68.3773, 0.3400, 0.5514



18.6413, 0.2889, 0.3651



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.



65.6731, 0.2656, 0.4585



73.4153, 0.2693, 0.4883



66.0240, 0.2258, 0.3204



17.7980, 0.3043, 0.3402



35.0032, 0.2690, 0.4885



2.9320, 0.2627, 0.4657

Inverse Universe

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



22.3583, 0.4658, 0.2500



22.7551, 0.5104, 0.2595



21.3071, 0.5944, 0.3336



15.8810, 0.3220, 0.3181



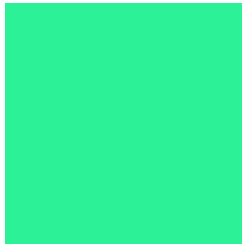
10.8012, 0.5109, 0.2588



0.9185, 0.4794, 0.2415

Previews

White Background



This preview shows how the Yxy color 65.6705, 0.2656, 0.4585 looks on a white background.

Color Contrast Check

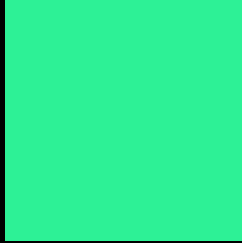
Large Text (above 18pt) WCAG AA × Fail

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 65.6705, 0.2656, 0.4585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

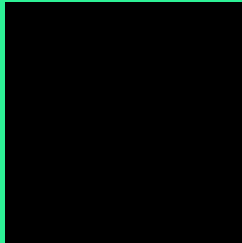
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6705, 0.2656, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 65.6705, 0.2656, 0.4585.



This preview shows how white text looks on a background with the Yxy color 65.6705, 0.2656, 0.4585.

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

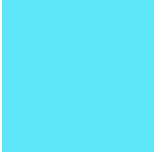
65.6705, 0.2656, 0.4585

Protanopia

64.3933, 0.3796, 0.4104

Deuteranopia

64.0506, 0.3825, 0.3740



Tritanopia

65.2488, 0.2325, 0.3053

Trichromacy



Original Color

65.6705, 0.2656, 0.4585



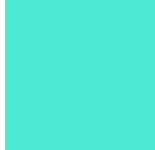
Protanomaly

61.2430, 0.3207, 0.4322



Deuteranomaly

60.5107, 0.3220, 0.4058



Tritanomaly

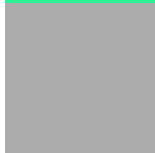
64.6091, 0.2434, 0.3567

Monochromacy



Original Color

65.6705, 0.2656, 0.4585



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

47.0485, 0.2829, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6705, 0.2656, 0.4585 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(45, 241, 150)` looks like.

```
.text, #text, p{  
    color:rgb(45, 241, 150)  
}
```

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(45, 241, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 241, 150) }
```

Border

The CSS property to change the border of an element to Yxy 65.6705, 0.2656, 0.4585 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(45, 241, 150) }
```

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

```
.border{ border-color:rgb(45, 241, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 241, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 241, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 241, 150);  
box-shadow:4px 4px 4px 4px rgb(45, 241,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6705, 0.2656, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 241, 150) }
```

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

```
.background{ background-color: rgb(45, 241,  
150) }
```

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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