

Converting Colors

$Y_{xy}(65.7220, 0.2928, 0.5406)$

Have a look what the booklet for
Yxy(65.7220, 0.2928, 0.5406)
contains.

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Color

Yxy(65.7220, 0.2928, 0.5406)

Conversions

Conversions Part 1

Format	Color
Hex	3AF359
RGB	58, 243, 89
RGB Percent	23%, 95%, 35%
CMY	0.7727, 0.0470, 0.6511
CMYK	0.76, 0.00, 0.63, 0.05
HSL	130°, 89%, 59%
HSV	130°, 76%, 95%
XYZ	35.5964, 65.7220, 20.2539
YIQ	170.1290, -60.8260, -87.1140

Conversions

Conversions Part 2

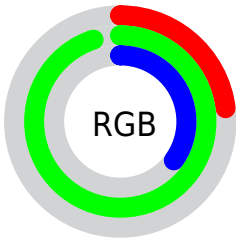
Format	Color
R _{YB}	58, 216, 243
Decimal	3863385
CIE Lab	84.85, -74.31, 59.72
CIE LCh	85, 95.333, 141.214
Yxy	65.7220, 0.2928, 0.5406
Android (android.graphics.Color)	4282053465 (0xFF3AF359)
YUV	170.1290, -39.9966, -98.3371
Hunter-Lab	81.0691, -63.4939, 41.9356

Details

The Yxy color **65.7220, 0.2928, 0.5406** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **26.8328, 0.3546, 0.1890**, and the grayscale version is **40.4881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5202, 0.3006, 0.4677**, and **34.7866, 0.2963, 0.5865** is the 20% darker color. If you saturate the color by 10%, you get **64.8662, 0.2937, 0.5642**, and if you desaturate by 10%, it is **67.0198, 0.2930, 0.5124**.

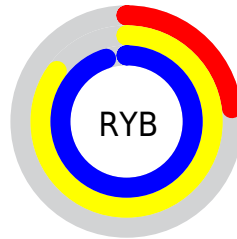
Distribution



Red (23%)

Green (95%)

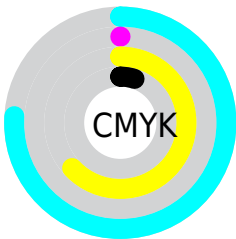
Blue (35%)



Red (23%)

Yellow (85%)

Blue (95%)

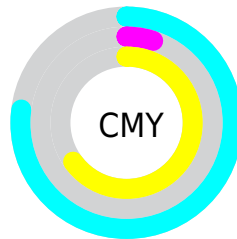


Cyan (76%)

Magenta (0%)

Yellow (63%)

Black (5%)



Cyan (77%)


Magenta (5%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7220, 0.2928, 0.5406 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 65.7220, 0.2928, 0.5406 by changing the saturation by 10% instead.


 65.7220, 0.2928,
0.5406

 65.7220, 0.2928,
0.5406


445.3820, 0.3094,
0.4324

 48.0468, 0.2867,
0.5670


 113.0872, 0.3003,
0.5014


 33.8639, 0.2778,
0.6001


 143.5460, 0.3027,
0.4866

 22.7891, 0.2644,
0.6422


 179.0348, 0.3046,
0.4741

 14.4378, 0.2435,
0.6959

 219.9379, 0.3060,
0.4633

 8.4258, 0.2148,
0.7827

266.6398, 0.3071,
0.4540

 4.3686, 0.1550,
0.8450

319.5249, 0.3080,

 1.8818, 0.0000,

0.4459

1.0000

378.9775, 0.3088,
0.4388

■ 0.5374, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7220, 0.2928,
0.5406

■ 65.7220, 0.2928,
0.5406

■ 64.8662, 0.2937,
0.5642

■ 67.0198, 0.2930,
0.5124


■ 64.3833, 0.2956,
0.5818


■ 68.8011, 0.2944,
0.4817

■ 64.2633, 0.2964,
0.5870


■ 71.1115, 0.2967,
0.4502


■ 73.9892, 0.2998,
0.4197

 77.4685, 0.3032,
0.3911

 81.5814, 0.3068,
0.3650

 86.3574, 0.3105,
0.3419

 91.8240, 0.3141,
0.3215

 92.5852, 0.3133,
0.3175

Harmonies

Analogous

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



65.7220, 0.3969, 0.5351



65.7220, 0.2928, 0.5406



65.7220, 0.1991, 0.4359

Triad

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



65.7220, 0.2928, 0.5406



65.7220, 0.1467, 0.1710



65.7220, 0.5155, 0.3104

Complementary

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



65.7220, 0.2928, 0.5406



26.8328, 0.3546, 0.1890

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.



65.7220, 0.4178, 0.2440



65.7220, 0.2928, 0.5406



65.7220, 0.2008, 0.1680

Square

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



65.7220, 0.2928, 0.5406



65.7220, 0.1277, 0.2094



65.7220, 0.2954, 0.1936



65.7220, 0.5373, 0.3842

Rectangle

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



65.7220, 0.2928, 0.5406



65.7220, 0.1566, 0.3407



65.7220, 0.2954, 0.1936



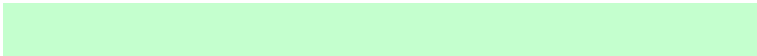
65.7220, 0.4898, 0.2872

Sweetspot

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



65.7247, 0.2928, 0.5406



87.7676, 0.3043, 0.3827



78.4323, 0.3886, 0.5079



18.4510, 0.3030, 0.3925



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.



65.7247, 0.2928, 0.5406



72.0475, 0.2946, 0.5740



68.3536, 0.2550, 0.4133



18.5173, 0.3093, 0.3493



35.2810, 0.2959, 0.5851



3.1136, 0.2902, 0.5648

Inverse Universe

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



26.8328, 0.3546, 0.1890



26.8349, 0.3641, 0.1811



23.4267, 0.4909, 0.2748



16.7178, 0.3164, 0.3095



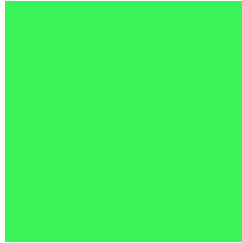
12.8231, 0.3684, 0.1803



1.1394, 0.3615, 0.1765

Previews

White Background



This preview shows how the Yxy color 65.7220, 0.2928, 0.5406 looks on a white background.

Color Contrast Check

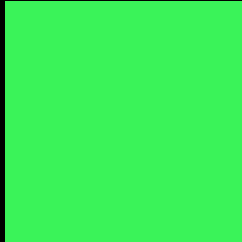
Large Text (above 18pt) WCAG AA × Fail

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 65.7220, 0.2928, 0.5406 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

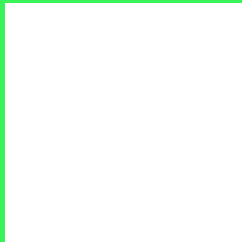
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7220, 0.2928, 0.5406

Background



This preview shows how black text looks on a background with the Yxy color 65.7220, 0.2928, 0.5406.



This preview shows how white text looks on a background with the Yxy color 65.7220, 0.2928, 0.5406.

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

65.7220, 0.2928, 0.5406

Protanopia

64.1648, 0.4189, 0.4600

Deuteranopia

64.2942, 0.4210, 0.4146



Tritanopia

65.5201, 0.2384, 0.3067

Trichromacy



Original Color

65.7220, 0.2928, 0.5406



Protanomaly

61.4131, 0.3587, 0.4978



Deuteranomaly

60.2196, 0.3599, 0.4643



Tritanomaly

64.2273, 0.2586, 0.3887

Monochromacy



Original Color

65.7220, 0.2928, 0.5406



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.5227, 0.3000, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7220, 0.2928, 0.5406 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(58, 243, 89)` looks like.

```
.text, #text, p{  
    color:rgb(58, 243, 89)  
}
```

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(58, 243, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 243, 89) }
```

Border

The CSS property to change the border of an element to Yxy 65.7220, 0.2928, 0.5406 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(58, 243, 89) }
```

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

```
.border{ border-color:rgb(58, 243, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 243, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 243, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 243, 89);  
box-shadow:4px 4px 4px 4px rgb(58, 243,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7220, 0.2928, 0.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 243, 89) }
```

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

```
.background{ background-color: rgb(58, 243,  
89) }
```

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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