

Converting Colors

$Y_{xy}(65.6273, 0.3001, 0.5854)$

Have a look what the booklet for
Yxy(65.6273, 0.3001, 0.5854)
contains.

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Color

Yxy(65.8264, 0.3002, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	24F527
RGB	36, 245, 39
RGB Percent	14%, 96%, 15%
CMY	0.8582, 0.0392, 0.8468
CMYK	0.85, 0.00, 0.84, 0.04
HSL	121°, 91%, 55%
HSV	121°, 85%, 96%
XYZ	33.7508, 65.8264, 12.8505
YIQ	159.0250, -58.4380, -108.3740

Conversions

Conversions Part 2

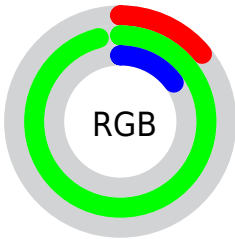
Format	Color
RYB	36, 242, 245
Decimal	2422055
CIELab	84.91, -80.88, 75.88
CIELCh	85, 110.900, 136.829
Yxy	65.8264, 0.3002, 0.5855
Android (android.graphics.Color)	4280612135 (0xFF24F527)
YUV	159.0250, -59.1723, -107.8929
Hunter-Lab	81.1335, -67.7292, 47.4027

Details

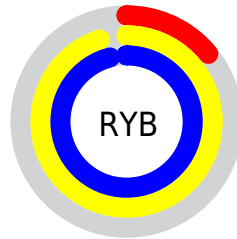
The Yxy color **65.8264, 0.3002, 0.5855** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **27.0998, 0.3236, 0.1614**, and the grayscale version is **35.0042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8999, 0.3130, 0.5147**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.4143, 0.2999, 0.5966**, and if you desaturate by 10%, it is **66.6469, 0.3009, 0.5656**.

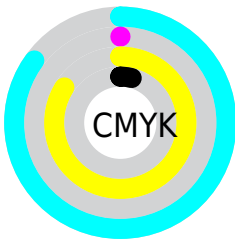
Distribution



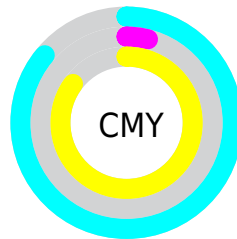
- Red (14%)
- Green (96%)
- Blue (15%)



- Red (14%)
- Yellow (95%)
- Blue (96%)



- Cyan (85%)
- Magenta (0%)
- Yellow (84%)
- Black (4%)





- Cyan (86%)
- Magenta (4%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8264, 0.3002, 0.5855 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 65.8264, 0.3002, 0.5855 by changing the saturation by 10% instead.


 65.8264, 0.3002,
0.5855

 65.8264, 0.3002,
0.5855


445.7558, 0.3178,
0.4560

 48.1315, 0.2924,
0.6156


 113.2371, 0.3092,
0.5396


 33.9310, 0.2808,
0.6519


 143.7217, 0.3119,
0.5219

 22.8406, 0.2630,
0.6957


 179.2384, 0.3137,
0.5068

 14.4759, 0.2381,
0.7562

 220.1714, 0.3151,
0.4938

 8.4524, 0.1931,
0.8069

 266.9053, 0.3161,
0.4825

 4.3858, 0.1285,
0.8715

319.8244, 0.3168,

 1.8916, 0.0000,

0.4725

1.0000

379.3131, 0.3174,
0.4638

■ 0.5433, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8264, 0.3002,
0.5855

■ 65.8264, 0.3002,
0.5855

■ 65.4143, 0.2999,
0.5966


■ 66.6469, 0.3009,
0.5656


■ 65.3119, 0.2998,
0.5994


■ 67.9372, 0.3021,
0.5380


■ 69.7568, 0.3036,
0.5050

■ 72.1543, 0.3053,
0.4694

 75.1729, 0.3071,
0.4338

 78.8517, 0.3088,
0.4001

 83.2266, 0.3105,
0.3693

 88.3309, 0.3120,
0.3419

 93.7844, 0.3132,
0.3194

Harmonies

Analogous

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



65.8264, 0.4150, 0.5496



65.8264, 0.3002, 0.5855



65.8264, 0.1938, 0.4799

Triad

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



65.8264, 0.3002, 0.5855



65.8264, 0.1235, 0.1555



65.8264, 0.5350, 0.2924

Complementary

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



65.8264, 0.3002, 0.5855



27.0998, 0.3236, 0.1614

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.



65.8264, 0.4123, 0.2230



65.8264, 0.3002, 0.5855



65.8264, 0.1751, 0.1488

Square

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



65.8264, 0.3002, 0.5855



65.8264, 0.1079, 0.2017



65.8264, 0.2729, 0.1721



65.8264, 0.5689, 0.3695

Rectangle

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



65.8264, 0.3002, 0.5855



65.8264, 0.1439, 0.3634



65.8264, 0.2729, 0.1721



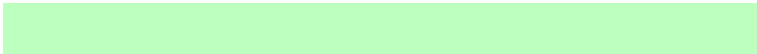
65.8264, 0.5015, 0.2681

Sweetspot

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



65.8291, 0.3002, 0.5855



86.0017, 0.3087, 0.4027



84.8451, 0.4159, 0.4996



18.0950, 0.3081, 0.4142



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.



65.8291, 0.3002, 0.5855



71.5278, 0.2998, 0.5994



67.5928, 0.2691, 0.4766



18.4758, 0.3114, 0.3531



35.1867, 0.2998, 0.5991



3.0939, 0.2991, 0.5969

Inverse Universe

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



27.0998, 0.3236, 0.1614



28.2536, 0.3245, 0.1561



22.5939, 0.4642, 0.2435



16.7641, 0.3140, 0.3060



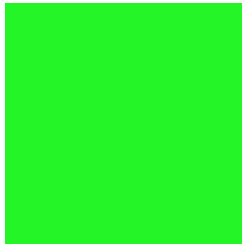
13.9002, 0.3244, 0.1561



1.2229, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 65.8264, 0.3002, 0.5855 looks on a white background.

Color Contrast Check

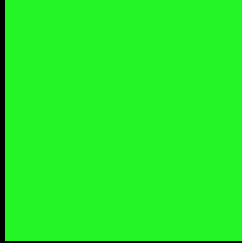
Large Text (above 18pt) WCAG AA × Fail

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 65.8264, 0.3002, 0.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

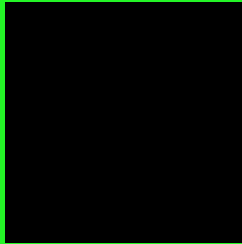
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8264, 0.3002, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 65.8264, 0.3002, 0.5855.

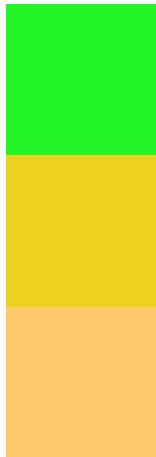


This preview shows how white text looks on a background with the Yxy color 65.8264, 0.3002, 0.5855.

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

65.8264, 0.3002, 0.5855

Protanopia

64.0148, 0.4372, 0.4837

Deuteranopia

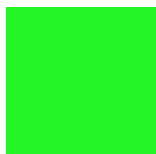
64.0948, 0.4269, 0.4224



Tritanopia

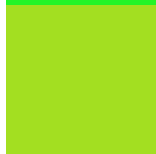
65.2664, 0.2370, 0.3067

Trichromacy



Original Color

65.8264, 0.3002, 0.5855



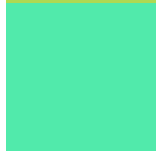
Protanomaly

60.6717, 0.3684, 0.5351



Deuteranomaly

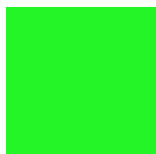
59.3489, 0.3653, 0.4926



Tritanomaly

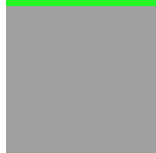
63.5352, 0.2636, 0.4170

Monochromacy



Original Color

65.8264, 0.3002, 0.5855



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.6421, 0.3064, 0.4485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8264, 0.3002, 0.5855 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(36, 245, 39)` looks like.

```
.text, #text, p{  
    color:rgb(36, 245, 39)  
}
```

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(36, 245, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 245, 39) }
```

Border

The CSS property to change the border of an element to Yxy 65.8264, 0.3002, 0.5855 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(36, 245, 39) }
```

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

```
.border{ border-color:rgb(36, 245, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 245, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 245, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 245, 39);  
box-shadow:4px 4px 4px 4px rgb(36, 245,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8264, 0.3002, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 245, 39) }
```

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

```
.background{ background-color: rgb(36, 245,  
39) }
```

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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