

Converting Colors

Yxy(64.9046, 0.3130, 0.5728)

Have a look what the booklet for
Yxy(64.9046, 0.3130, 0.5728)
contains.

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Color

Yxy(64.9240, 0.3129, 0.5729)

Conversions

Conversions Part 1

Format	Color
Hex	53F12B
RGB	83, 241, 43
RGB Percent	33%, 95%, 17%
CMY	0.6744, 0.0549, 0.8316
CMYK	0.66, 0.00, 0.82, 0.05
HSL	108°, 88%, 56%
HSV	108°, 82%, 95%
XYZ	35.4595, 64.9240, 12.9417
YIQ	171.1860, -30.6100, -95.0740

Conversions

Conversions Part 2

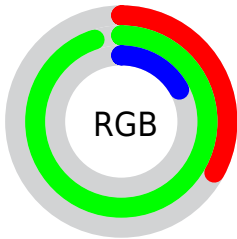
Format	Color
RYB	43, 241, 201
Decimal	5501227
CIELab	84.44, -73.01, 74.85
CIELCh	84, 104.556, 134.288
Yxy	64.9240, 0.3129, 0.5729
Android (android.graphics.Color)	4283691307 (0xFF53F12B)
YUV	171.1860, -63.1957, -77.3391
Hunter-Lab	80.5754, -62.4531, 46.8799

Details

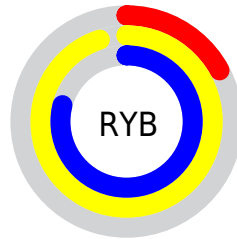
The Yxy color **64.9240, 0.3129, 0.5729** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **20.4810, 0.2789, 0.1400**, and the grayscale version is **41.1606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1608, 0.3263, 0.5048**, and **33.8670, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.0424, 0.3092, 0.5880**, and if you desaturate by 10%, it is **66.1577, 0.3159, 0.5503**.

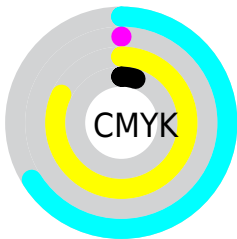
Distribution



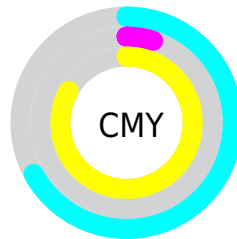
- Red (33%)
- Green (95%)
- Blue (17%)



- Red (17%)
- Yellow (95%)
- Blue (79%)



- Cyan (66%)
- Magenta (0%)
- Yellow (82%)
- Black (5%)



- Cyan (67%)
- Magenta (5%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9240, 0.3129, 0.5729 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 64.9240, 0.3129, 0.5729 by changing the saturation by 10% instead.


 64.9240, 0.3129,
0.5729


 64.9240, 0.3129,
0.5729


442.5188, 0.3238,
0.4505

 47.3995, 0.3068,
0.6012


 111.9406, 0.3195,
0.5296


 33.3516, 0.2971,
0.6354


 142.2014, 0.3212,
0.5129


 22.3959, 0.2818,
0.6766


 177.4765, 0.3223,
0.4986

 14.1481, 0.2600,
0.7335

 218.1501, 0.3230,
0.4863

 8.2237, 0.2179,
0.7821

 264.6068, 0.3234,
0.4756

 4.2384, 0.1571,
0.8429

317.2309, 0.3237,

 1.8078, 0.0000,

0.4662

1.0000

376.4067, 0.3238,
0.4579

■ 0.4920, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9240, 0.3129,
0.5729

■ 64.9240, 0.3129,
0.5729

■ 64.0424, 0.3092,
0.5880


■ 66.1577, 0.3159,
0.5503


■ 63.5599, 0.3062,
0.5950


■ 67.7695, 0.3179,
0.5217


■ 69.7920, 0.3189,
0.4892


■ 72.2519, 0.3190,
0.4552

 75.1734, 0.3182,
0.4217

 78.5791, 0.3169,
0.3898

 82.4899, 0.3151,
0.3606

 86.9257, 0.3132,
0.3343

 91.3925, 0.3133,
0.3156

Harmonies

Analogous

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



64.9240, 0.4231, 0.5353



64.9240, 0.3129, 0.5729



64.9240, 0.2079, 0.4838

Triad

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



64.9240, 0.3129, 0.5729



64.9240, 0.1276, 0.1645



64.9240, 0.5166, 0.2893

Complementary

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



64.9240, 0.3129, 0.5729



20.4810, 0.2789, 0.1400

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.



64.9240, 0.3959, 0.2225



64.9240, 0.3129, 0.5729



64.9240, 0.1749, 0.1546

Square

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



64.9240, 0.3129, 0.5729



64.9240, 0.1153, 0.2143



64.9240, 0.2654, 0.1750



64.9240, 0.5588, 0.3644

Rectangle

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



64.9240, 0.3129, 0.5729



64.9240, 0.1564, 0.3761



64.9240, 0.2654, 0.1750



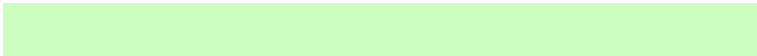
64.9240, 0.4824, 0.2657

Sweetspot

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



64.9267, 0.3129, 0.5729



88.1515, 0.3173, 0.3988



59.3048, 0.4484, 0.4671



18.5746, 0.3178, 0.4100



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.



64.9267, 0.3129, 0.5729



72.3000, 0.3064, 0.5944



64.3268, 0.2858, 0.5297



17.8104, 0.3146, 0.3532



34.5113, 0.3070, 0.5944



2.9116, 0.3153, 0.5878

Inverse Universe

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



20.4810, 0.2789, 0.1400



20.0997, 0.2697, 0.1262



23.9229, 0.3894, 0.2030



15.8605, 0.3106, 0.3055



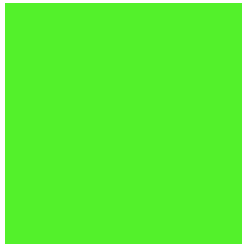
9.5955, 0.2702, 0.1262



0.8387, 0.2772, 0.1301

Previews

White Background



This preview shows how the Yxy color 64.9240, 0.3129, 0.5729 looks on a white background.

Color Contrast Check

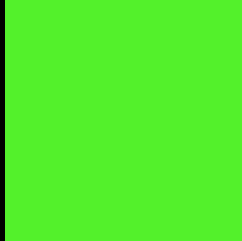
Large Text (above 18pt) WCAG AA × Fail

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 64.9240, 0.3129, 0.5729 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

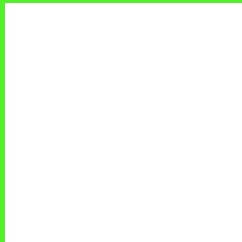
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9240, 0.3129, 0.5729

Background



This preview shows how black text looks on a background with the Yxy color 64.9240, 0.3129, 0.5729.



This preview shows how white text looks on a background with the Yxy color 64.9240, 0.3129, 0.5729.

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

64.9240, 0.3129, 0.5729

Protanopia

63.3786, 0.4363, 0.4821

Deuteranopia

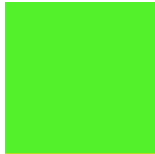
63.5279, 0.4307, 0.4256



Tritanopia

64.1577, 0.2452, 0.3068

Trichromacy



Original Color

64.9240, 0.3129, 0.5729



Protanomaly

61.5498, 0.3820, 0.5224



Deuteranomaly

60.4014, 0.3806, 0.4837



Tritanomaly

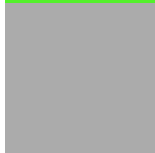
62.8109, 0.2749, 0.4112

Monochromacy



Original Color

64.9240, 0.3129, 0.5729



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.4241, 0.3189, 0.4351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9240, 0.3129, 0.5729 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(83, 241, 43)` looks like.

```
.text, #text, p{  
    color:rgb(83, 241, 43)  
}
```

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(83, 241, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 241, 43) }
```

Border

The CSS property to change the border of an element to Yxy 64.9240, 0.3129, 0.5729 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(83, 241, 43) }
```

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

```
.border{ border-color:rgb(83, 241, 43) }
```

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

Here you see how a box with a 4 pixel rgb(83, 241, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 241, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 241, 43);  
box-shadow:4px 4px 4px 4px rgb(83, 241,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9240, 0.3129, 0.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 241, 43) }
```

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

```
.background{ background-color: rgb(83, 241,  
43) }
```

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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