

Converting Colors

Yxy(54.5507, 0.3370, 0.5662)

Have a look what the booklet for
Yxy(54.5507, 0.3370, 0.5662)
contains.

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Color

Yxy(54.8012, 0.3371, 0.5663)

Conversions

Conversions Part 1

Format	Color
Hex	72DC10
RGB	114, 220, 16
RGB Percent	45%, 86%, 6%
CMY	0.5531, 0.1372, 0.9372
CMYK	0.48, 0.00, 0.93, 0.14
HSL	91°, 86%, 46%
HSV	91°, 93%, 86%
XYZ	32.6214, 54.8012, 9.3480
YIQ	165.0500, 2.3080, -85.9160

Conversions

Conversions Part 2

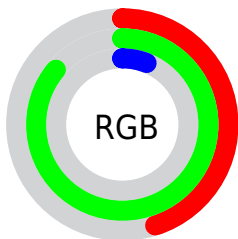
Format	Color
RYB	16, 220, 122
Decimal	7527440
CIELab	78.93, -59.09, 75.44
CIELCh	79, 95.827, 128.074
Yxy	54.8012, 0.3371, 0.5663
Android (android.graphics.Color)	4285717520 (0xFF72DC10)
YUV	165.0500, -73.4817, -44.7709
Hunter-Lab	74.0278, -50.8902, 44.3325

Details

The Yxy color **54.8012, 0.3371, 0.5663** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **9.6811, 0.2129, 0.0975**, and the grayscale version is **38.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3721, 0.3474, 0.5114**, and **27.1553, 0.3135, 0.5893** is the 20% darker color. If you saturate the color by 10%, you get **54.2335, 0.3332, 0.5737**, and if you desaturate by 10%, it is **55.7213, 0.3413, 0.5519**.

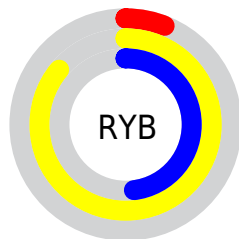
Distribution



Red (45%)

Green (86%)

Blue (6%)



Red (6%)

Yellow (86%)

Blue (48%)

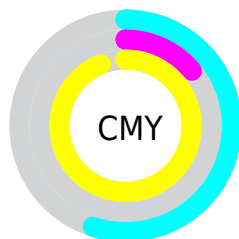


Cyan (48%)

Magenta (0%)

Yellow (93%)

Black (14%)



Cyan (55%)


Magenta (14%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8012, 0.3371, 0.5663 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 54.8012, 0.3371, 0.5663 by changing the saturation by 10% instead.


 54.8012, 0.3371,
0.5663


 54.8012, 0.3371,
0.5663


405.1579, 0.3370,
0.4467


 39.2426, 0.3327,
0.5936


 97.2496, 0.3403,
0.5241


 26.9485, 0.3246,
0.6263


 124.9082, 0.3405,
0.5078

 17.5345, 0.3106,
0.6657


 157.3689, 0.3403,
0.4938

 10.6163, 0.2865,
0.7135

 195.0161, 0.3398,
0.4817

 5.8095, 0.2418,
0.7582

 238.2342, 0.3392,
0.4712

 2.7296, 0.1674,
0.8326

 287.4076, 0.3385,

 0.9922, 0.0000,

0.4620

1.0000

342.9207, 0.3377,
0.4539

■ 0.0000, 0.0000,
0.0000

■ 54.8012, 0.3371,
0.5663

■ 54.8012, 0.3371,
0.5663

■ 54.2335, 0.3332,
0.5737

■ 55.7213, 0.3413,
0.5519

■ 56.8221, 0.3435,
0.5319

■ 58.1220, 0.3435,
0.5070

■ 59.6348, 0.3415,
0.4789

■ 61.3725, 0.3378,
0.4489

■ 63.3464, 0.3329,
0.4186

■ 65.5666, 0.3271,
0.3892

■ 68.0426, 0.3209,
0.3614

■ 70.7834, 0.3145,
0.3356

Harmonies

Analogous

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



54.8012, 0.4430, 0.5153



54.8012, 0.3371, 0.5663



54.8012, 0.2308, 0.5063

Triad

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



54.8012, 0.3371, 0.5663



54.8012, 0.1262, 0.1747



54.8012, 0.4910, 0.2764

Complementary

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



54.8012, 0.3371, 0.5663



9.6811, 0.2129, 0.0975

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.



54.8012, 0.3659, 0.2135



54.8012, 0.3371, 0.5663



54.8012, 0.1652, 0.1577

Square

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



54.8012, 0.3371, 0.5663



54.8012, 0.1210, 0.2347



54.8012, 0.2448, 0.1718



54.8012, 0.5515, 0.3493

Rectangle

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



54.8012, 0.3371, 0.5663



54.8012, 0.1741, 0.4077



54.8012, 0.2448, 0.1718



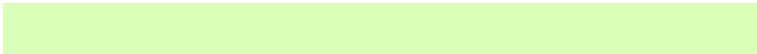
54.8012, 0.4533, 0.2538

Sweetspot

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



54.8036, 0.3371, 0.5663



89.8508, 0.3304, 0.4053



29.0291, 0.5237, 0.4165



18.9517, 0.3328, 0.4182



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.



54.8036, 0.3371, 0.5663



75.6889, 0.3326, 0.5741



51.3506, 0.2999, 0.5939



14.9113, 0.3188, 0.3527



31.8912, 0.3343, 0.5728



2.1172, 0.3468, 0.5628

Inverse Universe

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



9.6811, 0.2129, 0.0975



12.1718, 0.2044, 0.0899



20.5776, 0.3247, 0.1584



12.9485, 0.3062, 0.3054



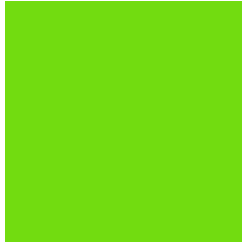
5.2138, 0.2067, 0.0912



0.3890, 0.2241, 0.1008

Previews

White Background



This preview shows how the Yxy color 54.8012, 0.3371, 0.5663 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 54.8012, 0.3371, 0.5663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

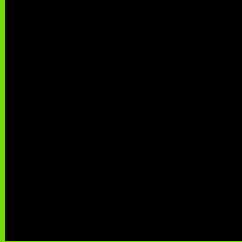
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8012, 0.3371, 0.5663

Background



This preview shows how black text looks on a background with the Yxy color 54.8012, 0.3371, 0.5663.



This preview shows how white text looks on a background with the Yxy color 54.8012, 0.3371, 0.5663.

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

54.8012, 0.3371, 0.5663

Protanopia

54.0903, 0.4402, 0.4887

Deuteranopia

53.7193, 0.4625, 0.4520



Tritanopia

54.6339, 0.2598, 0.3083

Trichromacy



Original Color

54.8012, 0.3371, 0.5663



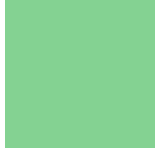
Protanomaly

53.0226, 0.3990, 0.5200



Deuteranomaly

51.9302, 0.4139, 0.4962



Tritanomaly

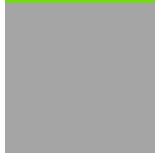
53.0740, 0.2990, 0.4203

Monochromacy



Original Color

54.8012, 0.3371, 0.5663



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.9566, 0.3359, 0.4394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8012, 0.3371, 0.5663 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(114, 220, 16)` looks like.

```
.text, #text, p{  
    color:rgb(114, 220, 16)  
}
```

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(114, 220, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 220, 16) }
```

Border

The CSS property to change the border of an element to Yxy 54.8012, 0.3371, 0.5663 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(114, 220, 16) }
```

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

```
.border{ border-color:rgb(114, 220, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 220, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 220, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 220, 16);  
box-shadow:4px 4px 4px 4px rgb(114, 220,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8012, 0.3371, 0.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 220, 16) }
```

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

```
.background{ background-color: rgb(114,  
220, 16) }
```

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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