

Converting Colors

Yxy(54.4948, 0.3280, 0.5644)

Have a look what the booklet for
Yxy(54.4948, 0.3280, 0.5644)
contains.

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Color

Yxy(54.7120, 0.3277, 0.5649)

Conversions

Conversions Part 1

Format	Color
Hex	67DD22
RGB	103, 221, 34
RGB Percent	40%, 87%, 13%
CMY	0.5961, 0.1333, 0.8666
CMYK	0.53, 0.00, 0.85, 0.13
HSL	98°, 73%, 50%
HSV	98°, 85%, 87%
XYZ	31.7386, 54.7120, 10.4020
YIQ	164.4000, -10.3010, -83.1730

Conversions

Conversions Part 2

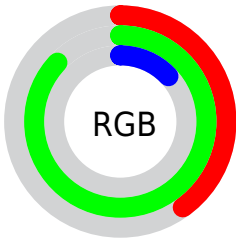
Format	Color
RYB	34, 221, 152
Decimal	6806818
CIELab	78.88, -62.06, 72.15
CIELCh	79, 95.167, 130.700
Yxy	54.7120, 0.3277, 0.5649
Android (android.graphics.Color)	4284996898 (0xFF67DD22)
YUV	164.4000, -64.2872, -53.8478
Hunter-Lab	73.9676, -52.8511, 43.4394

Details

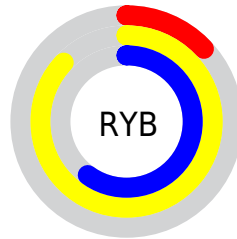
The Yxy color **54.7120, 0.3277, 0.5649** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **13.0445, 0.2435, 0.1195**, and the grayscale version is **37.6435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2944, 0.3376, 0.5088**, and **27.1299, 0.3050, 0.5961** is the 20% darker color. If you saturate the color by 10%, you get **53.8679, 0.3228, 0.5788**, and if you desaturate by 10%, it is **55.7802, 0.3310, 0.5446**.

Distribution



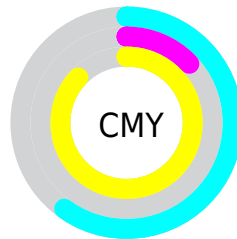
- Red (40%)
- Green (87%)
- Blue (13%)



- Red (13%)
- Yellow (87%)
- Blue (60%)



- Cyan (53%)
- Magenta (0%)
- Yellow (85%)
- Black (13%)





- Cyan (60%)
- Magenta (13%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7120, 0.3277, 0.5649 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 54.7120, 0.3277, 0.5649 by changing the saturation by 10% instead.


 54.7120, 0.3277,
0.5649


 54.7120, 0.3277,
0.5649


404.8193, 0.3313,
0.4446


 39.1712, 0.3228,
0.5931


 97.1189, 0.3320,
0.5220


 26.8929, 0.3141,
0.6272


 124.7537, 0.3327,
0.5055


 17.4928, 0.2992,
0.6684


 157.1887, 0.3329,
0.4915

 10.5865, 0.2761,
0.7239

 194.8082, 0.3329,
0.4794

 5.7895, 0.2294,
0.7706

 237.9966, 0.3326,
0.4689

 2.7175, 0.1478,
0.8522

 287.1383, 0.3322,

 0.9861, 0.0000,

0.4598

1.0000

342.6178, 0.3318,
0.4517

■ 0.0000, 0.0000,
0.0000

■ 54.7120, 0.3277,
0.5649

■ 54.7120, 0.3277,
0.5649

■ 53.8679, 0.3228,
0.5788

■ 55.7802, 0.3310,
0.5446

■ 53.4879, 0.3200,
0.5842

■ 57.0854, 0.3326,
0.5189

■ 58.6470, 0.3323,
0.4894

■ 60.4804, 0.3306,
0.4580

■ 62.5993, 0.3276,
0.4263

■ 65.0167, 0.3238,
0.3956

■ 67.7443, 0.3194,
0.3668

■ 70.7936, 0.3149,
0.3403

■ 74.1751, 0.3102,
0.3164

Harmonies

Analogous

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



54.7120, 0.4340, 0.5214



54.7120, 0.3277, 0.5649



54.7120, 0.2230, 0.4937

Triad

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



54.7120, 0.3277, 0.5649



54.7120, 0.1290, 0.1726



54.7120, 0.4986, 0.2828

Complementary

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



54.7120, 0.3277, 0.5649



13.0445, 0.2435, 0.1195

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.



54.7120, 0.3773, 0.2188



54.7120, 0.3277, 0.5649



54.7120, 0.1711, 0.1586

Square

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



54.7120, 0.3277, 0.5649



54.7120, 0.1210, 0.2279



54.7120, 0.2543, 0.1751



54.7120, 0.5512, 0.3562

Rectangle

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



54.7120, 0.3277, 0.5649



54.7120, 0.1689, 0.3935



54.7120, 0.2543, 0.1751



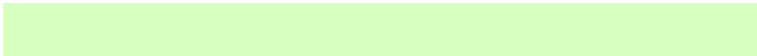
54.7120, 0.4629, 0.2600

Sweetspot

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



54.7143, 0.3277, 0.5649



89.7043, 0.3240, 0.3974



37.0874, 0.4840, 0.4388



18.9386, 0.3254, 0.4081



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.



54.7143, 0.3277, 0.5649



73.9031, 0.3194, 0.5846



52.3398, 0.2961, 0.5692



14.8389, 0.3171, 0.3528



31.1295, 0.3210, 0.5833



2.0647, 0.3339, 0.5731

Inverse Universe

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



13.0445, 0.2435, 0.1195



14.7904, 0.2285, 0.1032



20.6506, 0.3470, 0.1760



13.0223, 0.3079, 0.3055



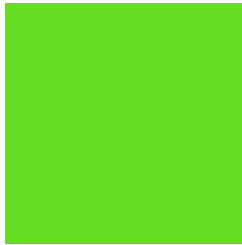
6.3116, 0.2305, 0.1044



0.4572, 0.2453, 0.1125

Previews

White Background



This preview shows how the Yxy color 54.7120, 0.3277, 0.5649 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 54.7120, 0.3277, 0.5649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

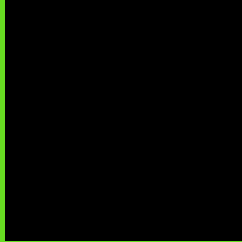
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7120, 0.3277, 0.5649

Background



This preview shows how black text looks on a background with the Yxy color 54.7120, 0.3277, 0.5649.



This preview shows how white text looks on a background with the Yxy color 54.7120, 0.3277, 0.5649.

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

54.7120, 0.3277, 0.5649

Protanopia

53.5636, 0.4371, 0.4838

Deuteranopia

53.6212, 0.4582, 0.4482



Tritanopia

54.4849, 0.2550, 0.3081

Trichromacy



Original Color

54.7120, 0.3277, 0.5649



Protanomaly

52.5045, 0.3916, 0.5177



Deuteranomaly

51.3524, 0.4059, 0.4934



Tritanomaly

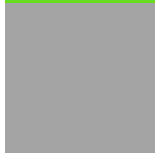
53.1326, 0.2885, 0.4110

Monochromacy



Original Color

54.7120, 0.3277, 0.5649



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.7331, 0.3281, 0.4317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7120, 0.3277, 0.5649 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(103, 221, 34)` looks like.

```
.text, #text, p{  
    color:rgb(103, 221, 34)  
}
```

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(103, 221, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 221, 34) }
```

Border

The CSS property to change the border of an element to Yxy 54.7120, 0.3277, 0.5649 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(103, 221, 34) }
```

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

```
.border{ border-color:rgb(103, 221, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 221, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 221, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 221, 34);  
box-shadow:4px 4px 4px 4px rgb(103, 221,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7120, 0.3277, 0.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 221, 34) }
```

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

```
.background{ background-color: rgb(103,  
221, 34) }
```

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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