

Converting Colors

Yxy(55.0612, 0.3402, 0.5541)

Have a look what the booklet for
Yxy(55.0612, 0.3402, 0.5541)
contains.

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Color

Yxy(55.0014, 0.3405, 0.5538)

Conversions

Conversions Part 1

Format	Color
Hex	7BDB24
RGB	123, 219, 36
RGB Percent	48%, 86%, 14%
CMY	0.5177, 0.1412, 0.8590
CMYK	0.44, 0.00, 0.84, 0.14
HSL	91°, 72%, 50%
HSV	91°, 84%, 86%
XYZ	33.8172, 55.0014, 10.4977
YIQ	169.4340, 1.5270, -77.2650

Conversions

Conversions Part 2

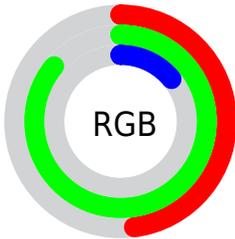
Format	Color
RYB	36, 219, 132
Decimal	8117028
CIELab	79.04, -55.37, 72.16
CIELCh	79, 90.950, 127.498
Yxy	55.0014, 0.3405, 0.5538
Android (android.graphics.Color)	4286307108 (0xFF7BDB24)
YUV	169.4340, -65.7830, -40.7226
Hunter-Lab	74.1629, -48.3917, 43.5216

Details

The Yxy color **55.0014, 0.3405, 0.5538** 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 **11.2749, 0.2243, 0.1103**, and the grayscale version is **40.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3852, 0.3483, 0.5003**, and **27.1550, 0.3213, 0.5831** is the 20% darker color. If you saturate the color by 10%, you get **54.1106, 0.3361, 0.5677**, and if you desaturate by 10%, it is **56.0780, 0.3429, 0.5341**.

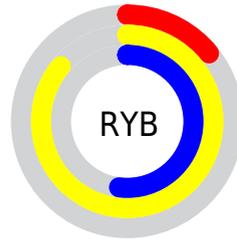
Distribution



Red (48%)

Green (86%)

Blue (14%)



Red (14%)

Yellow (86%)

Blue (52%)

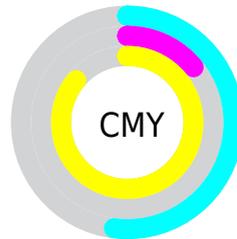


Cyan (44%)

Magenta (0%)

Yellow (84%)

Black (14%)



Cyan (52%)

Magenta (14%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0014, 0.3405, 0.5538 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 55.0014, 0.3405, 0.5538 by changing the saturation by 10% instead.

 55.0014, 0.3405,
0.5538

 55.0014, 0.3405,
0.5538

405.9172, 0.3374,
0.4404

 39.4028, 0.3373,
0.5800

 97.5430, 0.3423,
0.5137

 27.0733, 0.3309,
0.6115

 125.2548, 0.3421,
0.4982

 17.6282, 0.3189,
0.6492

 157.7732, 0.3415,
0.4850

 10.6834, 0.2998,
0.7002

 195.4826, 0.3408,
0.4735

 5.8544, 0.2577,
0.7423

 238.7672, 0.3400,
0.4636

 2.7567, 0.1913,
0.8087

 288.0116, 0.3391,

 1.0061, 0.0000,

0.4549

1.0000

343.6002, 0.3382,
0.4472

■ 0.0000, 0.0000,
0.0000

■ 55.0014, 0.3405,
0.5538

■ 55.0014, 0.3405,
0.5538

■ 54.1106, 0.3361,
0.5677

■ 56.0780, 0.3429,
0.5341

■ 53.6178, 0.3326,
0.5741

■ 57.3496, 0.3432,
0.5096

■ 58.8323, 0.3414,
0.4815

■ 60.5383, 0.3379,
0.4516

■ 62.4788, 0.3331,
0.4213

■ 64.6640, 0.3275,
0.3917

■ 67.1035, 0.3213,
0.3637

■ 69.8063, 0.3150,
0.3378

■ 72.7808, 0.3087,
0.3141

Harmonies

Analogous

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



55.0014, 0.4419, 0.5078



55.0014, 0.3405, 0.5538



55.0014, 0.2376, 0.4977

Triad

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



55.0014, 0.3405, 0.5538



55.0014, 0.1325, 0.1819



55.0014, 0.4802, 0.2781

Complementary

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



55.0014, 0.3405, 0.5538



11.2749, 0.2243, 0.1103

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.



55.0014, 0.3613, 0.2172



55.0014, 0.3405, 0.5538



55.0014, 0.1700, 0.1641

Square

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



55.0014, 0.3405, 0.5538



55.0014, 0.1284, 0.2416



55.0014, 0.2463, 0.1772



55.0014, 0.5402, 0.3494

Rectangle

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



55.0014, 0.3405, 0.5538



55.0014, 0.1821, 0.4066



55.0014, 0.2463, 0.1772



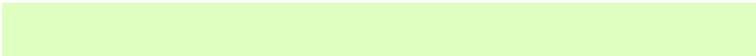
55.0014, 0.4441, 0.2562

Sweetspot

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



55.0038, 0.3405, 0.5538



90.7537, 0.3284, 0.3964



31.2935, 0.5038, 0.4195



19.1868, 0.3305, 0.4069



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.



55.0038, 0.3405, 0.5538



75.6039, 0.3320, 0.5746



51.1865, 0.3002, 0.5815



14.9084, 0.3187, 0.3527



31.8552, 0.3337, 0.5733



2.1148, 0.3463, 0.5632

Inverse Universe

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



11.2749, 0.2243, 0.1103



12.2668, 0.2053, 0.0905



21.2748, 0.3241, 0.1632



12.9515, 0.3063, 0.3054



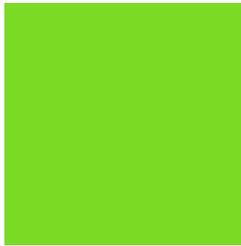
5.2538, 0.2076, 0.0917



0.3916, 0.2250, 0.1013

Previews

White Background



This preview shows how the Yxy color 55.0014, 0.3405, 0.5538 looks on a white background.

Color Contrast Check

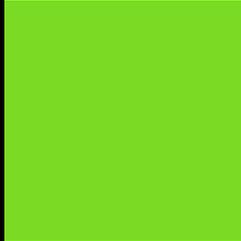
Large Text (above 18pt) WCAG AA × Fail

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 55.0014, 0.3405, 0.5538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

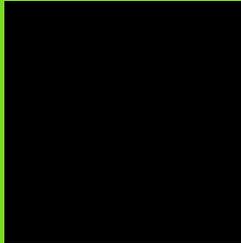
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0014, 0.3405, 0.5538

Background



This preview shows how black text looks on a background with the Yxy color 55.0014, 0.3405, 0.5538.



This preview shows how white text looks on a background with the Yxy color 55.0014, 0.3405, 0.5538.

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

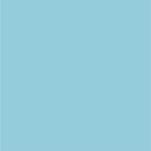
55.0014, 0.3405, 0.5538

Protanopia

54.1790, 0.4364, 0.4830

Deuteranopia

54.2069, 0.4585, 0.4491



Tritanopia

54.7426, 0.2643, 0.3085

Trichromacy



Original Color

55.0014, 0.3405, 0.5538



Protanomaly

53.4804, 0.3979, 0.5113



Deuteranomaly

52.4253, 0.4129, 0.4885



Tritanomaly

53.4763, 0.3000, 0.4075

Monochromacy



Original Color

55.0014, 0.3405, 0.5538



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.5965, 0.3335, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0014, 0.3405, 0.5538 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(123, 219, 36)` looks like.

```
.text, #text, p{  
    color:rgb(123, 219, 36)  
}
```

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(123, 219, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 219, 36) }
```

Border

The CSS property to change the border of an element to Yxy 55.0014, 0.3405, 0.5538 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(123, 219, 36) }
```

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

```
.border{ border-color:rgb(123, 219, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 219, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 219, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 219, 36);  
box-shadow:4px 4px 4px 4px rgb(123, 219,  
36) }
```

Background

The CSS property to change the background color of an element to Yxy 55.0014, 0.3405, 0.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 219, 36) }
```

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

```
.background{ background-color: rgb(123,  
219, 36) }
```

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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