

Converting Colors

$Yxy(55.0513, 0.3526, 0.5486)$

Have a look what the booklet for
Yxy(55.0513, 0.3526, 0.5486)
contains.

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Color

Yxy(55.0328, 0.3524, 0.5487)

Conversions

Conversions Part 1

Format	Color
Hex	89D91D
RGB	137, 217, 29
RGB Percent	54%, 85%, 11%
CMY	0.4629, 0.1490, 0.8864
CMYK	0.37, 0.00, 0.87, 0.15
HSL	86°, 76%, 48%
HSV	86°, 87%, 85%
XYZ	35.3446, 55.0328, 9.9193
YIQ	171.6480, 12.6680, -75.4280

Conversions

Conversions Part 2

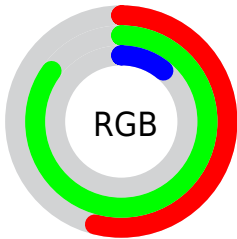
Format	Color
RYB	29, 217, 109
Decimal	9034013
CIELab	79.06, -50.19, 73.90
CIELCh	79, 89.335, 124.180
Yxy	55.0328, 0.3524, 0.5487
Android (android.graphics.Color)	4287224093 (0xFF89D91D)
YUV	171.6480, -70.3255, -30.3863
Hunter-Lab	74.1841, -44.7769, 44.0011

Details

The Yxy color **55.0328, 0.3524, 0.5487** 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 **9.1414, 0.2033, 0.0964**, and the grayscale version is **41.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1003, 0.3591, 0.4981**, and **27.1094, 0.3352, 0.5720** is the 20% darker color. If you saturate the color by 10%, you get **54.2152, 0.3482, 0.5599**, and if you desaturate by 10%, it is **55.9971, 0.3544, 0.5321**.

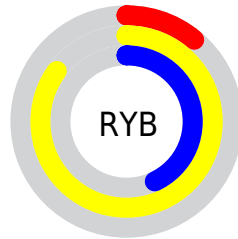
Distribution



Red (54%)

Green (85%)

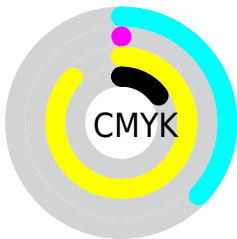
Blue (11%)



Red (11%)

Yellow (85%)

Blue (43%)

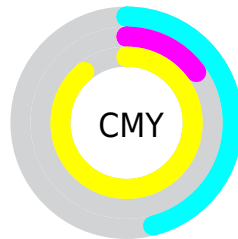


Cyan (37%)

Magenta (0%)

Yellow (87%)

Black (15%)



Cyan (46%)

Magenta (15%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0328, 0.3524, 0.5487 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 55.0328, 0.3524, 0.5487 by changing the saturation by 10% instead.


 55.0328, 0.3524,
0.5487


 55.0328, 0.3524,
0.5487

406.0363, 0.3436,
0.4394


 39.4280, 0.3504,
0.5734

 97.5890, 0.3523,
0.5104

 27.0928, 0.3455,
0.6027


 125.3092, 0.3513,
0.4955

 17.6430, 0.3354,
0.6376


 157.8366, 0.3501,
0.4827

 10.6940, 0.3179,
0.6821

 195.5557, 0.3488,
0.4717

 5.8614, 0.2794,
0.7206

 238.8508, 0.3474,
0.4620

 2.7610, 0.2204,
0.7796

 288.1063, 0.3461,


 1.0083, 0.0000,


0.4535


1.0000


343.7067, 0.3448,
0.4460


 0.0000, 0.0000,
0.0000


 55.0328, 0.3524,
0.5487


 55.0328, 0.3524,
0.5487


 54.2152, 0.3482,
0.5599


 55.9971, 0.3544,
0.5321

 53.9635, 0.3466,
0.5630

 57.1165, 0.3540,
0.5107

 58.4060, 0.3514,
0.4853

 59.8766, 0.3468,
0.4575

 61.5381, 0.3407,
0.4285

■ 63.3994, 0.3336,
0.3996

■ 65.4688, 0.3259,
0.3717

■ 67.7541, 0.3180,
0.3454

■ 70.2626, 0.3101,
0.3211

Harmonies

Analogous

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



55.0328, 0.4508, 0.4977



55.0328, 0.3524, 0.5487



55.0328, 0.2497, 0.5060

Triad

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



55.0328, 0.3524, 0.5487



55.0328, 0.1327, 0.1883



55.0328, 0.4662, 0.2718

Complementary

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



55.0328, 0.3524, 0.5487



9.1414, 0.2033, 0.0964

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.



55.0328, 0.3469, 0.2132



55.0328, 0.3524, 0.5487



55.0328, 0.1660, 0.1666

Square

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



55.0328, 0.3524, 0.5487



55.0328, 0.1325, 0.2532



55.0328, 0.2371, 0.1764



55.0328, 0.5341, 0.3417

Rectangle

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



55.0328, 0.3524, 0.5487



55.0328, 0.1922, 0.4211



55.0328, 0.2371, 0.1764



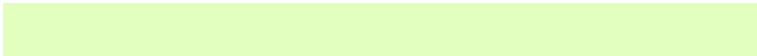
55.0328, 0.4290, 0.2505

Sweetspot

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



55.0352, 0.3524, 0.5487



91.4747, 0.3333, 0.3984



25.4252, 0.5348, 0.3983



19.3706, 0.3359, 0.4084



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.



55.0352, 0.3524, 0.5487



77.6700, 0.3460, 0.5635



50.2710, 0.3040, 0.5855



14.9734, 0.3202, 0.3526



32.7256, 0.3475, 0.5623



2.1705, 0.3589, 0.5532

Inverse Universe

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



9.1414, 0.2033, 0.0964



10.4443, 0.1868, 0.0803



18.3530, 0.3026, 0.1495



12.8868, 0.3047, 0.3053



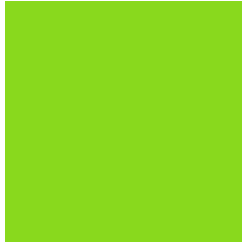
4.4818, 0.1892, 0.0816



0.3404, 0.2076, 0.0918

Previews

White Background



This preview shows how the Yxy color 55.0328, 0.3524, 0.5487 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 55.0328, 0.3524, 0.5487 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 55.0328, 0.3524, 0.5487

Background



This preview shows how black text looks on a background with the Yxy color 55.0328, 0.3524, 0.5487.



This preview shows how white text looks on a background with the Yxy color 55.0328, 0.3524, 0.5487.

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

55.0328, 0.3524, 0.5487

Protanopia

54.3038, 0.4386, 0.4843

Deuteranopia

54.3407, 0.4613, 0.4510



Tritanopia

54.7766, 0.2721, 0.3088

Trichromacy



Original Color

55.0328, 0.3524, 0.5487



Protanomaly

53.7292, 0.4052, 0.5091



Deuteranomaly

53.2215, 0.4201, 0.4878



Tritanomaly

53.4710, 0.3111, 0.4089

Monochromacy



Original Color

55.0328, 0.3524, 0.5487



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.6934, 0.3401, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0328, 0.3524, 0.5487 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(137, 217, 29)` looks like.

```
.text, #text, p{  
    color:rgb(137, 217, 29)  
}
```

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(137, 217, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 217, 29) }
```

Border

The CSS property to change the border of an element to Yxy 55.0328, 0.3524, 0.5487 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(137, 217, 29) }
```

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

```
.border{ border-color:rgb(137, 217, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 217, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 217, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 217, 29);  
box-shadow:4px 4px 4px 4px rgb(137, 217,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0328, 0.3524, 0.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 217, 29) }
```

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

```
.background{ background-color: rgb(137,  
217, 29) }
```

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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