

# Converting Colors

$Yxy(55.1425, 0.3466, 0.5484)$

Have a look what the booklet for  
Yxy(55.1425, 0.3466, 0.5484)  
contains.

<b>Yxy(55.1819, 0.3469, 0.5482)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.1819, 0.3469, 0.5482)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	84DA25
RGB	132, 218, 37
RGB Percent	52%, 85%, 15%
CMY	0.4824, 0.1451, 0.8549
CMYK	0.39, 0.00, 0.83, 0.15
HSL	89°, 71%, 50%
HSV	89°, 83%, 85%
XYZ	34.9190, 55.1819, 10.5593
YIQ	171.6520, 6.8450, -74.5230

# Conversions

## Conversions Part 2

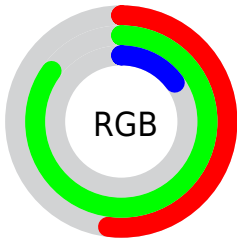
Format	Color
<a href="#">RYB</a>	<a href="#">37, 218, 123</a>
Decimal	<a href="#">8706597</a>
CIELab	<a href="#">79.15, -52.01, 72.16</a>
CIELCh	<a href="#">79, 88.946, 125.781</a>
Yxy	<a href="#">55.1819, 0.3469, 0.5482</a>
Android (android.graphics.Color)	<a href="#">4286896677 (0xFF84DA25)</a>
YUV	<a href="#">171.6520, -66.3834, -34.7748</a>
Hunter-Lab	<a href="#">74.2845, -46.0902, 43.5713</a>

# Details

The Yxy color **55.1819, 0.3469, 0.5482** 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 **10.5965, 0.2163, 0.1067**, and the grayscale version is **41.4079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5165, 0.3542, 0.4968**, and **27.2184, 0.3301, 0.5761** is the 20% darker color. If you saturate the color by 10%, you get **54.2918, 0.3429, 0.5619**, and if you desaturate by 10%, it is **56.2414, 0.3487, 0.5290**.

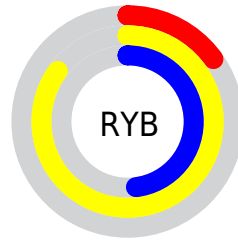
# Distribution



Red (52%)

Green (85%)

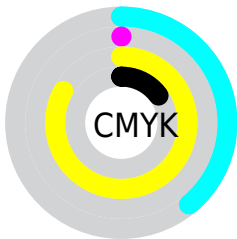
Blue (15%)



Red (15%)

Yellow (85%)

Blue (48%)

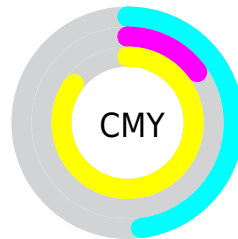


Cyan (39%)

Magenta (0%)

Yellow (83%)

Black (15%)



Cyan (48%)

Magenta (15%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1819, 0.3469, 0.5482 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 55.1819, 0.3469, 0.5482 by changing the saturation by 10% instead.





 55.1819, 0.3469,  
0.5482

 55.1819, 0.3469,  
0.5482

406.6011, 0.3404,  
0.4383


 39.5474, 0.3446,  
0.5734

 97.8074, 0.3474,  
0.5095

 27.1858, 0.3393,  
0.6035


 125.5672, 0.3467,  
0.4945

 17.7128, 0.3288,  
0.6395


 158.1375, 0.3458,  
0.4817

 10.7440, 0.3118,  
0.6882

 195.9028, 0.3447,  
0.4706

 5.8950, 0.2722,  
0.7278

 239.2474, 0.3436,  
0.4609

 2.7813, 0.2113,  
0.7887

 288.5557, 0.3425,

 1.0187, 0.0000,

0.4525

1.0000

344.2121, 0.3414,  
0.4450

■ 0.0000, 0.0000,  
0.0000

■ 55.1819, 0.3469,  
0.5482

■ 55.1819, 0.3469,  
0.5482

■ 54.2918, 0.3429,  
0.5619

■ 56.2414, 0.3487,  
0.5290

■ 53.7513, 0.3393,  
0.5688


■ 57.4780, 0.3482,  
0.5050


■ 58.9069, 0.3455,  
0.4777

■ 60.5393, 0.3412,  
0.4485

■ 62.3853, 0.3355,  
0.4188

 64.4544, 0.3290,  
0.3897

 66.7553, 0.3220,  
0.3621

 69.2960, 0.3149,  
0.3364

 72.0845, 0.3078,  
0.3128

# Harmonies

## Analogous

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



55.1819, 0.4457, 0.5010



55.1819, 0.3469, 0.5482



55.1819, 0.2450, 0.4994

# Triad

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



55.1819, 0.3469, 0.5482



55.1819, 0.1343, 0.1868



55.1819, 0.4708, 0.2756

# Complementary

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



55.1819, 0.3469, 0.5482



10.5965, 0.2163, 0.1067

# 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.



55.1819, 0.3534, 0.2163



55.1819, 0.3469, 0.5482



55.1819, 0.1694, 0.1670

# Square

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



55.1819, 0.3469, 0.5482



55.1819, 0.1323, 0.2488



55.1819, 0.2424, 0.1782



55.1819, 0.5344, 0.3457



# Rectangle

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



55.1819, 0.3469, 0.5482



55.1819, 0.1890, 0.4130



55.1819, 0.2424, 0.1782



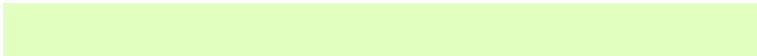
55.1819, 0.4347, 0.2542

# Sweetspot

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



55.1843, 0.3469, 0.5482



91.2528, 0.3305, 0.3960



28.8278, 0.5135, 0.4096



19.3054, 0.3328, 0.4063



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.



55.1843, 0.3469, 0.5482



76.5736, 0.3387, 0.5693



50.7941, 0.3022, 0.5814



14.9407, 0.3194, 0.3526



32.2648, 0.3403, 0.5680



2.1415, 0.3525, 0.5583



# Inverse Universe

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



10.5965, 0.2163, 0.1067



11.2979, 0.1957, 0.0852



20.3778, 0.3137, 0.1580



12.9191, 0.3055, 0.3054



4.8446, 0.1980, 0.0865



0.3649, 0.2161, 0.0964



# Previews

## White Background



This preview shows how the Yxy color 55.1819, 0.3469, 0.5482 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 55.1819, 0.3469, 0.5482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

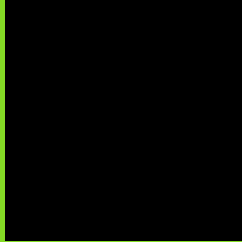
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1819, 0.3469, 0.5482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1819, 0.3469, 0.5482.



This preview shows how white text looks on a background with the Yxy color 55.1819, 0.3469, 0.5482.

# 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

55.1819, 0.3469, 0.5482

### Protanopia

54.3448, 0.4368, 0.4817

### Deuteranopia

54.3862, 0.4593, 0.4485



## Tritanopia

54.8943, 0.2691, 0.3087

# Trichromacy



## Original Color

55.1819, 0.3469, 0.5482



## Protanomaly

53.5130, 0.4019, 0.5076



## Deuteranomaly

52.9833, 0.4165, 0.4860



## Tritanomaly

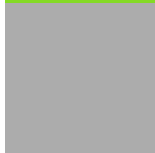
53.6147, 0.3049, 0.4052

# Monochromacy



## Original Color

55.1819, 0.3469, 0.5482



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

44.9934, 0.3359, 0.4236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1819, 0.3469, 0.5482 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(132, 218, 37)` looks like.

```
.text, #text, p{  
    color:rgb(132, 218, 37)  
}
```

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(132, 218, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 218, 37) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1819, 0.3469, 0.5482 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(132, 218, 37) }
```

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

```
.border{ border-color:rgb(132, 218, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 218, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 218, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 218, 37);  
box-shadow:4px 4px 4px 4px rgb(132, 218,  
37) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1819, 0.3469, 0.5482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 218, 37) }
```

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

```
.background{ background-color: rgb(132,  
218, 37) }
```

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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