

# Converting Colors

Yxy(53.8628, 0.4661, 0.4321)

Have a look what the booklet for  
Yxy(53.8628, 0.4661, 0.4321)  
contains.

<b>Yxy(53.7163, 0.4665, 0.4320)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.7163, 0.4665, 0.4320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEB343
RGB	254, 179, 67
RGB Percent	100%, 70%, 26%
CMY	0.0039, 0.2980, 0.7373
CMYK	0.00, 0.30, 0.74, 0.00
HSL	36°, 99%, 63%
HSV	36°, 74%, 100%
XYZ	58.0061, 53.7163, 12.6208
YIQ	188.6570, 80.6520, -18.9320

# Conversions

## Conversions Part 2

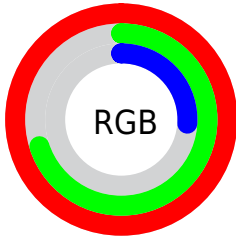
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 254, 67
Decimal	16692035
CIELab	78.30, 17.66, 65.06
CIELCh	78, 67.419, 74.810
Yxy	53.7163, 0.4665, 0.4320
Android (android.graphics.Color)	4294882115 (0xFFFE343)
YUV	188.6570, -59.9769, 57.3058
Hunter-Lab	73.2914, 13.0130, 41.0942

# Details

The Yxy color **53.7163, 0.4665, 0.4320** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **27.6929, 0.1926, 0.1785**, and the grayscale version is **50.9989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0571, 0.3990, 0.4401**, and **26.1282, 0.4963, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **49.5444, 0.4873, 0.4355**, and if you desaturate by 10%, it is **58.3288, 0.4436, 0.4238**.

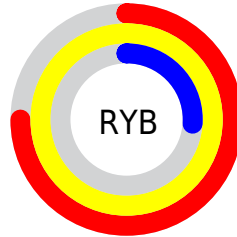
# Distribution



Red (100%)

Green (70%)

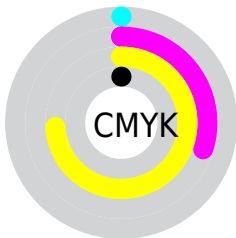
Blue (26%)



Red (75%)

Yellow (100%)

Blue (26%)

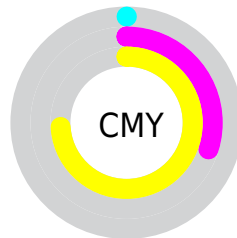


Cyan (0%)

Magenta (30%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7163, 0.4665, 0.4320 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 53.7163, 0.4665, 0.4320 by changing the saturation by 10% instead.




 53.7163, 0.4665,  
0.4320

 53.7163, 0.4665,  
0.4320


401.0273, 0.3962,  
0.3902


 38.3749, 0.4808,  
0.4387


 95.6576, 0.4432,  
0.4195


 26.2738, 0.4971,  
0.4452

 123.0262, 0.4337,  
0.4140


 17.0286, 0.5152,  
0.4503


 155.1727, 0.4254,  
0.4090

 10.2549, 0.5402,  
0.4568

 192.4815, 0.4181,  
0.4045

 5.5683, 0.5535,  
0.4465

 235.3370, 0.4117,  
0.4004

 2.5844, 0.5715,  
0.4285

284.1235, 0.4059,

 0.9188, 0.6027,

0.3967

339.2254, 0.4008,  
0.3933

0.3973

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.7163, 0.4665,  
0.4320

53.7163, 0.4665,  
0.4320

49.5444, 0.4873,  
0.4355

58.3288, 0.4436,  
0.4238

45.7796, 0.5047,  
0.4335

63.3956, 0.4199,  
0.4118

43.5719, 0.5142,  
0.4299

68.9389, 0.3965,  
0.3974

74.9764, 0.3743,  
0.3817

81.5247, 0.3537,  
0.3655

88.5994, 0.3350,  
0.3496

96.2151, 0.3183,  
0.3343

99.8106, 0.3121,  
0.3290

# Harmonies

## Analogous

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



53.7163, 0.4891, 0.3686



53.7163, 0.4665, 0.4320



53.7163, 0.4034, 0.4834

# Triad

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



53.7163, 0.4665, 0.4320



53.7163, 0.1853, 0.3294



53.7163, 0.2827, 0.2135

# Complementary

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



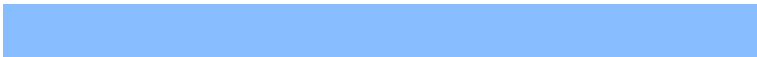
53.7163, 0.4665, 0.4320



27.6929, 0.1926, 0.1785

# 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.



53.7163, 0.2123, 0.1972



53.7163, 0.4665, 0.4320



53.7163, 0.1631, 0.2498

# Square

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



53.7163, 0.4665, 0.4320



53.7163, 0.2413, 0.4284



53.7163, 0.1726, 0.2074



53.7163, 0.3740, 0.2520



# Rectangle

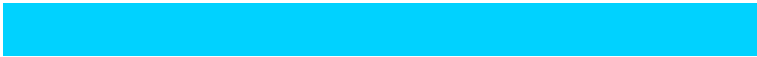
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.7163, 0.4665, 0.4320



53.7163, 0.3495, 0.4956



53.7163, 0.1726, 0.2074



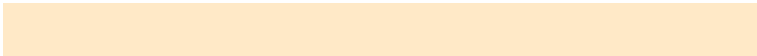
53.7163, 0.2561, 0.2054

# Sweetspot

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



53.7190, 0.4665, 0.4320



83.3753, 0.3506, 0.3629



27.1269, 0.4589, 0.2594



17.4461, 0.3559, 0.3673



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.



53.7190, 0.4665, 0.4320



48.2703, 0.4954, 0.4353



89.5374, 0.3988, 0.4969



19.7968, 0.3279, 0.3432



23.2686, 0.5123, 0.4314



2.4797, 0.4988, 0.4422



# Inverse Universe

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



27.6929, 0.1926, 0.1785



21.0807, 0.1766, 0.1466



12.9903, 0.1782, 0.0988



18.5733, 0.2979, 0.3144



9.0380, 0.1684, 0.1261



1.0870, 0.1746, 0.1485



# Previews

## White Background



This preview shows how the Yxy color 53.7163, 0.4665, 0.4320 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 53.7163, 0.4665, 0.4320 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 53.7163, 0.4665, 0.4320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7163, 0.4665, 0.4320.



This preview shows how white text looks on a background with the Yxy color 53.7163, 0.4665, 0.4320.

# 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

53.7163, 0.4665, 0.4320

### Protanopia

53.7902, 0.4206, 0.4613

### Deuteranopia

53.7173, 0.4541, 0.4431



## Tritanopia

53.7632, 0.3796, 0.3176

# Trichromacy



**Original Color**

53.7163, 0.4665, 0.4320

**Protanomaly**

53.6604, 0.4364, 0.4509

**Deuteranomaly**

53.6234, 0.4587, 0.4387

**Tritanomaly**

53.4256, 0.4173, 0.3648

# Monochromacy



**Original Color**

53.7163, 0.4665, 0.4320

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.8884, 0.3703, 0.3776

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7163, 0.4665, 0.4320 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(254, 179, 67)` looks like.

```
.text, #text, p{  
    color:rgb(254, 179, 67)  
}
```

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(254, 179, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 179, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7163, 0.4665, 0.4320 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(254, 179, 67) }
```

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

```
.border{ border-color:rgb(254, 179, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 179, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 179, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 179, 67);  
box-shadow:4px 4px 4px 4px rgb(254, 179,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7163, 0.4665, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 179, 67) }
```

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

```
.background{ background-color: rgb(254,  
179, 67) }
```

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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