

Converting Colors

$Yxy(70.9713, 0.4841, 0.3858)$

Have a look what the booklet for
Yxy(70.9713, 0.4841, 0.3858)
contains.

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Color

Yxy(56.6887, 0.4353, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	FFB86F
RGB	255, 184, 111
RGB Percent	100%, 72%, 44%
CMY	0.0001, 0.2784, 0.5645
CMYK	0.00, 0.28, 0.56, 0.00
HSL	30°, 100%, 72%
HSV	30°, 56%, 100%
XYZ	61.2474, 56.6887, 22.7655
YIQ	196.9070, 65.7490, -7.6510

Conversions

Conversions Part 2

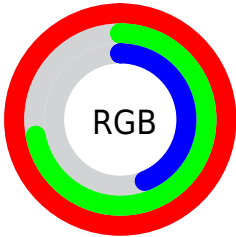
Format	Color
R _Y B	251, 255, 111
Decimal	16758895
CIE Lab	80.00, 18.06, 46.82
CIE LCh	80, 50.182, 68.908
Yxy	56.6887, 0.4353, 0.4029
Android (android.graphics.Color)	4294948975 (0xFFFFB86F)
YUV	196.9070, -42.3522, 50.9476
Hunter-Lab	75.2919, 13.4429, 34.7772

Details

The Yxy color **56.6887, 0.4353, 0.4029** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **44.0649, 0.2219, 0.2365**, and the grayscale version is **56.0102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2605, 0.3714, 0.4050**, and **28.1716, 0.4639, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **51.2135, 0.4629, 0.4120**, and if you desaturate by 10%, it is **62.7940, 0.4085, 0.3911**.

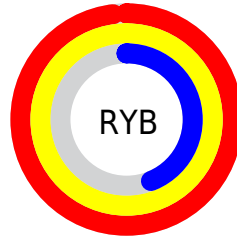
Distribution



Red (100%)

Green (72%)

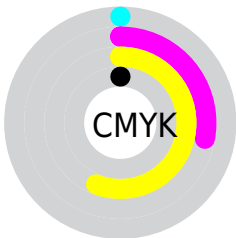
Blue (44%)



Red (98%)

Yellow (100%)

Blue (44%)

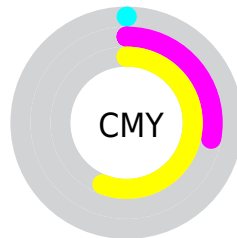


Cyan (0%)

Magenta (28%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6887, 0.4353, 0.4029 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 56.6887, 0.4353, 0.4029 by changing the saturation by 10% instead.


 56.6887, 0.4353,
0.4029


 56.6887, 0.4353,
0.4029


412.2818, 0.3771,
0.3711


 40.7554, 0.4483,
0.4090


 100.0108, 0.4152,
0.3927


 28.1280, 0.4641,
0.4157


 128.1684, 0.4073,
0.3885

 18.4222, 0.4833,
0.4228


 161.1695, 0.4005,
0.3847

 11.2535, 0.5067,
0.4294

 199.3985, 0.3946,
0.3814

 6.2376, 0.5392,
0.4368

243.2399, 0.3894,
0.3784

 2.9901, 0.5694,
0.4306

293.0779, 0.3849,

 1.1266, 0.5980,

0.3757

0.4020

349.2971, 0.3808,
0.3733

0.0005, 0.9990,
0.0010

0.0000, 0.0000,
0.0000

56.6887, 0.4353,
0.4029

56.6887, 0.4353,
0.4029

51.2135, 0.4629,
0.4120

62.7940, 0.4085,
0.3911

46.3341, 0.4898,
0.4170

69.5451, 0.3836,
0.3779

42.0241, 0.5144,
0.4169

76.9671, 0.3609,
0.3640

38.2500, 0.5349,
0.4111

85.0809, 0.3407,
0.3503

37.0254, 0.5415,
0.4082

93.9067, 0.3230,
0.3371

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



56.6887, 0.4412, 0.3542



56.6887, 0.4353, 0.4029



56.6887, 0.3952, 0.4401

Triad

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



56.6887, 0.4353, 0.4029



56.6887, 0.2237, 0.3451



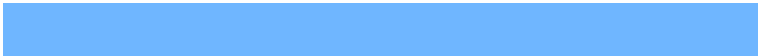
56.6887, 0.2794, 0.2358

Complementary

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



56.6887, 0.4353, 0.4029



44.0649, 0.2219, 0.2365

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.



56.6887, 0.2287, 0.2276



56.6887, 0.4353, 0.4029



56.6887, 0.1993, 0.2823

Square

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



56.6887, 0.4353, 0.4029



56.6887, 0.2725, 0.4110



56.6887, 0.2013, 0.2421



56.6887, 0.3453, 0.2634

Rectangle

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



56.6887, 0.4353, 0.4029



56.6887, 0.3564, 0.4495



56.6887, 0.2013, 0.2421



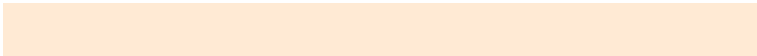
56.6887, 0.2602, 0.2307

Sweetspot

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



56.6915, 0.4353, 0.4029



84.6282, 0.3418, 0.3510



36.0554, 0.3952, 0.2569



17.7545, 0.3457, 0.3538



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.



56.6915, 0.4353, 0.4029



50.4257, 0.4671, 0.4130



93.9154, 0.3939, 0.4632



19.5092, 0.3282, 0.3411



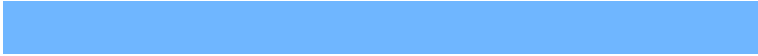
19.6488, 0.5390, 0.4102



2.1318, 0.5217, 0.4240

Inverse Universe

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



44.0649, 0.2219, 0.2365



36.6698, 0.2056, 0.2134



21.9804, 0.2026, 0.1470



18.8570, 0.2979, 0.3166



11.8316, 0.1764, 0.1551



1.3701, 0.1822, 0.1758

Previews

White Background



This preview shows how the Yxy color 56.6887, 0.4353, 0.4029 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 56.6887, 0.4353, 0.4029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

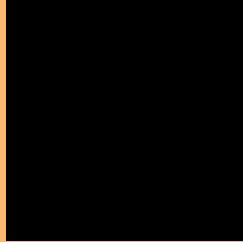
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6887, 0.4353, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 56.6887, 0.4353, 0.4029.

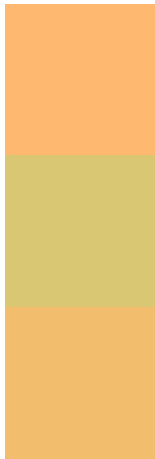


This preview shows how white text looks on a background with the Yxy color 56.6887, 0.4353, 0.4029.

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

56.6887, 0.4353, 0.4029

Protanopia

57.0132, 0.3909, 0.4246

Deuteranopia

56.5757, 0.4227, 0.4125



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

56.6887, 0.4353, 0.4029

Protanomaly

56.7874, 0.4064, 0.4174

Deuteranomaly

56.4406, 0.4274, 0.4092

Tritanomaly

56.4757, 0.3957, 0.3492

Monochromacy



Original Color

56.6887, 0.4353, 0.4029

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

55.3579, 0.3551, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6887, 0.4353, 0.4029 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(255, 184, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 111)  
}
```

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(255, 184, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 111) }
```

Border

The CSS property to change the border of an element to Yxy 56.6887, 0.4353, 0.4029 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(255, 184, 111) }
```

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

```
.border{ border-color:rgb(255, 184, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6887, 0.4353, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 111) }
```

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

```
.background{ background-color: rgb(255,  
184, 111) }
```

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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