

Converting Colors

$Yxy(65.3815, 0.4663, 0.3912)$

Have a look what the booklet for
Yxy(65.3815, 0.4663, 0.3912)
contains.

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Color

Yxy(56.7108, 0.4346, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	FFB870
RGB	255, 184, 112
RGB Percent	100%, 72%, 44%
CMY	0.0000, 0.2784, 0.5607
CMYK	0.00, 0.28, 0.56, 0.00
HSL	30°, 100%, 72%
HSV	30°, 56%, 100%
XYZ	61.3097, 56.7108, 23.0511
YIQ	197.0210, 65.4280, -7.3400

Conversions

Conversions Part 2

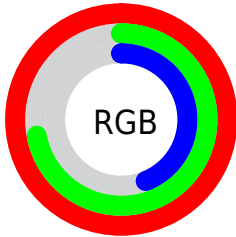
Format	Color
R_{YB}	253, 255, 112
Decimal	16758896
CIE _{Lab}	80.02, 18.15, 46.35
CIE _{LCh}	80, 49.774, 68.612
Yxy	56.7108, 0.4346, 0.4020
Android (android.graphics.Color)	4294948976 (0xFFFFB870)
YUV	197.0210, -41.9154, 50.8476
Hunter-Lab	75.3066, 13.5366, 34.5661

Details

The Yxy color **56.7108, 0.4346, 0.4020** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **44.5444, 0.2226, 0.2379**, and the grayscale version is **56.0773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2968, 0.3708, 0.4041**, and **28.1825, 0.4630, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **51.1934, 0.4623, 0.4111**, and if you desaturate by 10%, it is **62.8608, 0.4078, 0.3902**.

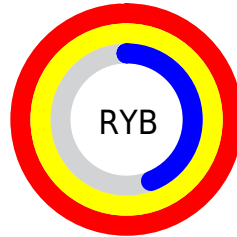
Distribution



Red (100%)

Green (72%)

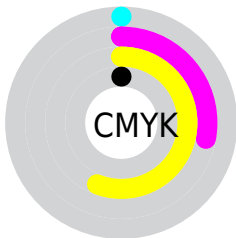
Blue (44%)



Red (99%)

Yellow (100%)

Blue (44%)

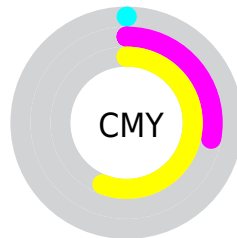


Cyan (0%)

Magenta (28%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7108, 0.4346, 0.4020 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 56.7108, 0.4346, 0.4020 by changing the saturation by 10% instead.


 56.7108, 0.4346,
0.4020


 56.7108, 0.4346,
0.4020


412.3648, 0.3767,
0.3706

 40.7731, 0.4476,
0.4080


 100.0431, 0.4146,
0.3919


 28.1418, 0.4634,
0.4147

 128.2065, 0.4067,
0.3877

 18.4326, 0.4826,
0.4218


 161.2138, 0.4000,
0.3840

 11.2610, 0.5060,
0.4283

 199.4496, 0.3941,
0.3807

 6.2427, 0.5382,
0.4354

243.2982, 0.3889,
0.3778

 2.9932, 0.5698,
0.4302

293.1440, 0.3844,

 1.1282, 0.5985,

0.3752

0.4015

349.3714, 0.3804,
0.3728

0.0018, 0.9959,
0.0041

0.0000, 0.0000,
0.0000

56.7108, 0.4346,
0.4020

56.7108, 0.4346,
0.4020

51.1934, 0.4623,
0.4111

62.8608, 0.4078,
0.3902

46.2812, 0.4895,
0.4162

69.6663, 0.3828,
0.3770


41.9453, 0.5143,
0.4162

77.1504, 0.3602,
0.3633

38.1521, 0.5352,
0.4106

85.3342, 0.3400,
0.3496

 36.7944, 0.5426,
0.4074

 94.2379, 0.3223,
0.3366

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



56.7108, 0.4400, 0.3536



56.7108, 0.4346, 0.4020



56.7108, 0.3951, 0.4390

Triad

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



56.7108, 0.4346, 0.4020



56.7108, 0.2247, 0.3457



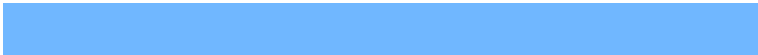
56.7108, 0.2791, 0.2363

Complementary

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



56.7108, 0.4346, 0.4020



44.5444, 0.2226, 0.2379

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.



56.7108, 0.2289, 0.2283



56.7108, 0.4346, 0.4020



56.7108, 0.2002, 0.2832

Square

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



56.7108, 0.4346, 0.4020



56.7108, 0.2734, 0.4108



56.7108, 0.2019, 0.2431



56.7108, 0.3444, 0.2635

Rectangle

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



56.7108, 0.4346, 0.4020



56.7108, 0.3568, 0.4485



56.7108, 0.2019, 0.2431



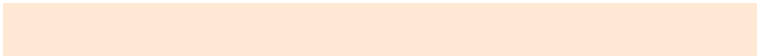
56.7108, 0.2601, 0.2313

Sweetspot

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



56.7112, 0.4346, 0.4020



84.5415, 0.3418, 0.3509



36.2944, 0.3944, 0.2573



17.7341, 0.3457, 0.3536



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.



56.7112, 0.4346, 0.4020



50.7106, 0.4649, 0.4118



93.9504, 0.3935, 0.4625



19.4983, 0.3282, 0.3410



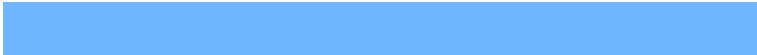
19.5250, 0.5401, 0.4094



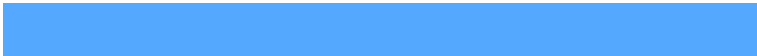
2.1196, 0.5226, 0.4233

Inverse Universe

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



44.5444, 0.2226, 0.2379



37.4853, 0.2071, 0.2163



22.2605, 0.2034, 0.1483



18.8679, 0.2979, 0.3167



11.9524, 0.1767, 0.1562



1.3820, 0.1825, 0.1769

Previews

White Background



This preview shows how the Yxy color 56.7108, 0.4346, 0.4020 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 56.7108, 0.4346, 0.4020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

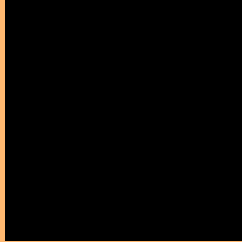
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7108, 0.4346, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 56.7108, 0.4346, 0.4020.



This preview shows how white text looks on a background with the Yxy color 56.7108, 0.4346, 0.4020.

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

56.7108, 0.4346, 0.4020

Protanopia

57.0366, 0.3902, 0.4236

Deuteranopia

57.0293, 0.4213, 0.4125



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

56.7108, 0.4346, 0.4020

Protanomaly

56.8103, 0.4057, 0.4164

Deuteranomaly

56.8883, 0.4260, 0.4093

Tritanomaly

56.4757, 0.3957, 0.3492

Monochromacy



Original Color

56.7108, 0.4346, 0.4020

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 56.7108, 0.4346, 0.4020 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 112) }
```

Border

The CSS property to change the border of an element to Yxy 56.7108, 0.4346, 0.4020 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, 112) }
```

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

```
.border{ border-color:rgb(255, 184, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7108, 0.4346, 0.4020 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, 112) }
```

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

```
.background{ background-color: rgb(255,  
184, 112) }
```

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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