

Converting Colors

$Yxy(56.8075, 0.4646, 0.4426)$

Have a look what the booklet for
Yxy(56.8075, 0.4646, 0.4426)
contains.

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Color

Yxy(56.6936, 0.4647, 0.4422)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA3B
RGB	255, 186, 59
RGB Percent	100%, 73%, 23%
CMY	0.0001, 0.2705, 0.7687
CMYK	0.00, 0.27, 0.77, 0.00
HSL	39°, 100%, 62%
HSV	39°, 77%, 100%
XYZ	59.5783, 56.6936, 11.9362
YIQ	192.1530, 81.8910, -24.8690

Conversions

Conversions Part 2

Format	Color
RYB	165, 255, 59
Decimal	16759355
CIELab	80.01, 14.09, 69.81
CIELCh	80, 71.217, 78.591
Yxy	56.6936, 0.4647, 0.4422
Android (android.graphics.Color)	4294949435 (0xFFFFBA3B)
YUV	192.1530, -65.6444, 55.1168
Hunter-Lab	75.2952, 9.4740, 43.3077

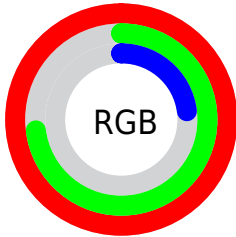
Details

The Yxy color **56.6936, 0.4647, 0.4422** is a light color, and the websafe version is hex **FFCC33**.

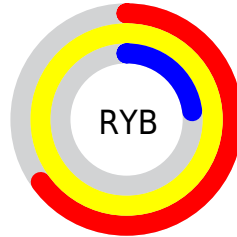
The color can be described as light washed orange. A complement of this color would be **23.5626, 0.1852, 0.1584**, and the grayscale version is **53.1610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0021, 0.3986, 0.4505**, and **28.1125, 0.4875, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **52.8317, 0.4821, 0.4450**, and if you desaturate by 10%, it is **60.9273, 0.4446, 0.4344**.

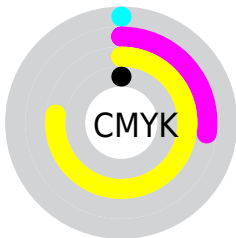
Distribution



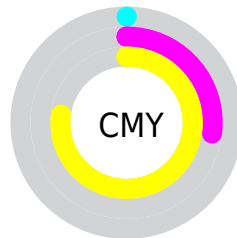
- Red (100%)
- Green (73%)
- Blue (23%)



- Red (65%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (27%)
- Yellow (77%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6936, 0.4647, 0.4422 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 56.6936, 0.4647, 0.4422 by changing the saturation by 10% instead.


 56.6936, 0.4647,
0.4422


 56.6936, 0.4647,
0.4422


412.3002, 0.3970,
0.3964


 40.7593, 0.4779,
0.4496


 100.0180, 0.4427,
0.4286


 28.1310, 0.4925,
0.4567


 128.1768, 0.4337,
0.4225

 18.4245, 0.5083,
0.4626


 161.1793, 0.4257,
0.4170

 11.2552, 0.5298,
0.4702

 199.4099, 0.4186,
0.4121

 6.2387, 0.5387,
0.4613

 243.2528, 0.4123,
0.4076

 2.9908, 0.5523,
0.4477

293.0926, 0.4066,

 1.1269, 0.5755,

0.4035

349.3136, 0.4015,
0.3998

0.4245

0.0008, 0.9978,
0.0022

0.0000, 0.0000,
0.0000

56.6936, 0.4647,
0.4422

56.6936, 0.4647,
0.4422

52.8317, 0.4821,
0.4450

60.9273, 0.4446,
0.4344

49.3079, 0.4962,
0.4425

65.5453, 0.4231,
0.4226

48.2645, 0.5002,
0.4411

70.5684, 0.4011,
0.4078

76.0132, 0.3797,
0.3913

81.8947, 0.3594,
0.3741

88.2271, 0.3406,
0.3568

95.0237, 0.3235,
0.3400

99.9933, 0.3127,
0.3290

Harmonies

Analogous

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



56.6936, 0.4953, 0.3771



56.6936, 0.4647, 0.4422



56.6936, 0.3956, 0.4930

Triad

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



56.6936, 0.4647, 0.4422



56.6936, 0.1764, 0.3166



56.6936, 0.2926, 0.2139

Complementary

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



56.6936, 0.4647, 0.4422



23.5626, 0.1852, 0.1584

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.



56.6936, 0.2165, 0.1940



56.6936, 0.4647, 0.4422



56.6936, 0.1582, 0.2392

Square

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



56.6936, 0.4647, 0.4422



56.6936, 0.2294, 0.4202



56.6936, 0.1718, 0.2006



56.6936, 0.3882, 0.2559

Rectangle

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



56.6936, 0.4647, 0.4422



56.6936, 0.3390, 0.5014



56.6936, 0.1718, 0.2006



56.6936, 0.2640, 0.2046

Sweetspot

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



56.6964, 0.4647, 0.4422



84.3177, 0.3519, 0.3673



26.0127, 0.4840, 0.2686



17.5680, 0.3588, 0.3736



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.



56.6964, 0.4647, 0.4422



50.9993, 0.4898, 0.4443



88.4435, 0.3935, 0.5059



19.9522, 0.3278, 0.3444



25.5183, 0.4985, 0.4424



2.6901, 0.4871, 0.4515

Inverse Universe

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



23.5626, 0.1852, 0.1584



17.0579, 0.1694, 0.1246



12.2790, 0.1779, 0.0935



18.4229, 0.2979, 0.3132



7.8195, 0.1645, 0.1123



0.9575, 0.1708, 0.1348

Previews

White Background



This preview shows how the Yxy color 56.6936, 0.4647, 0.4422 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 56.6936, 0.4647, 0.4422 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 56.6936, 0.4647, 0.4422

Background



This preview shows how black text looks on a background with the Yxy color 56.6936, 0.4647, 0.4422.



This preview shows how white text looks on a background with the Yxy color 56.6936, 0.4647, 0.4422.

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

56.6936, 0.4647, 0.4422

Protanopia

56.8826, 0.4260, 0.4685

Deuteranopia

56.8404, 0.4577, 0.4483



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

56.6936, 0.4647, 0.4422

Protanomaly

56.5827, 0.4406, 0.4584

Deuteranomaly

56.7812, 0.4602, 0.4464

Tritanomaly

56.2607, 0.4120, 0.3700

Monochromacy



Original Color

56.6936, 0.4647, 0.4422

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.2876, 0.3711, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6936, 0.4647, 0.4422 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, 186, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 59)  
}
```

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, 186, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 59) }
```

Border

The CSS property to change the border of an element to Yxy 56.6936, 0.4647, 0.4422 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, 186, 59) }
```

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

```
.border{ border-color:rgb(255, 186, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6936, 0.4647, 0.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 59) }
```

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

```
.background{ background-color: rgb(255,  
186, 59) }
```

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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