

Converting Colors

Yxy(53.1225, 0.4796, 0.4652)

Have a look what the booklet for
Yxy(53.1225, 0.4796, 0.4652)
contains.

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Color

Yxy(53.2301, 0.4762, 0.4601)

Conversions

Conversions Part 1

Format	Color
Hex	F7B600
RGB	247, 182, 0
RGB Percent	97%, 71%, 0%
CMY	0.0313, 0.2863, 1.0000
CMYK	0.00, 0.26, 1.00, 0.03
HSL	44°, 100%, 48%
HSV	44°, 100%, 97%
XYZ	55.0927, 53.2301, 7.3696
YIQ	180.6870, 97.1620, -42.8220

Conversions

Conversions Part 2

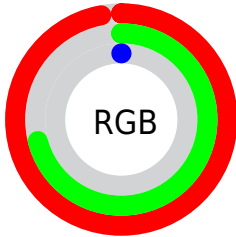
Format	Color
RYB	88, 247, 0
Decimal	16233984
CIELab	78.01, 11.67, 80.58
CIELCh	78, 81.422, 81.758
Yxy	53.2301, 0.4762, 0.4601
Android (android.graphics.Color)	4294424064 (0xFFFF7B600)
YUV	180.6870, -89.0787, 58.1565
Hunter-Lab	72.9590, 7.1107, 45.0824

Details

The Yxy color **53.2301, 0.4762, 0.4601** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **10.5013, 0.1580, 0.0888**, and the grayscale version is **46.4840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0183, 0.4155, 0.4704**, and **26.2796, 0.4837, 0.4541** is the 20% darker color. If you saturate the color by 10%, you get **53.2328, 0.4762, 0.4601**, and if you desaturate by 10%, it is **56.0275, 0.4665, 0.4616**.

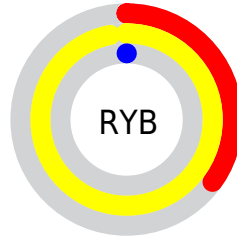
Distribution



Red (97%)

Green (71%)

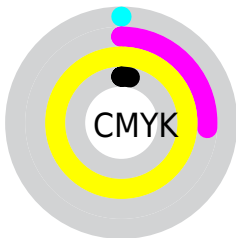
Blue (0%)



Red (35%)

Yellow (97%)

Blue (0%)

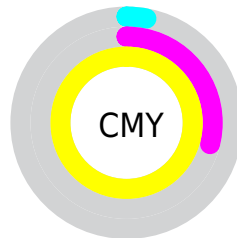


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2301, 0.4762, 0.4601 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 53.2301, 0.4762, 0.4601 by changing the saturation by 10% instead.


 53.2301, 0.4762,
0.4601


 53.2301, 0.4762,
0.4601


399.1673, 0.4061,
0.4090


 37.9865, 0.4884,
0.4672


 94.9429, 0.4546,
0.4457


 25.9722, 0.5010,
0.4732


 122.1808, 0.4453,
0.4391


 16.8028, 0.5161,
0.4795


 154.1857, 0.4369,
0.4329

 10.0940, 0.5240,
0.4760

 191.3418, 0.4294,
0.4272

 5.4613, 0.5320,
0.4680

 234.0337, 0.4227,
0.4220

 2.5204, 0.5446,
0.4554

 282.6456, 0.4166,

 0.8868, 0.5670,

0.4173

0.4330

337.5620, 0.4111,
0.4130

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.2301, 0.4762,
0.4601

■ 53.2301, 0.4762,
0.4601

■ 53.2328, 0.4762,
0.4601

■ 56.0275, 0.4665,
0.4616

■ 59.0350, 0.4540,
0.4585

■ 62.2837, 0.4385,
0.4506

■ 65.7917, 0.4209,
0.4384

■ 69.5740, 0.4019,
0.4227

■ 73.6442, 0.3826,
0.4049

■ 78.0144, 0.3636,
0.3858

■ 82.6959, 0.3454,
0.3664

■ 87.6991, 0.3284,
0.3473

Harmonies

Analogous

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



53.2301, 0.5211, 0.3857



53.2301, 0.4762, 0.4601



53.2301, 0.3927, 0.5212

Triad

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



53.2301, 0.4762, 0.4601



53.2301, 0.1536, 0.3004



53.2301, 0.2993, 0.2029

Complementary

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



53.2301, 0.4762, 0.4601



10.5013, 0.1580, 0.0888

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.



53.2301, 0.2100, 0.1781



53.2301, 0.4762, 0.4601



53.2301, 0.1390, 0.2178

Square

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



53.2301, 0.4762, 0.4601



53.2301, 0.2072, 0.4239



53.2301, 0.1576, 0.1810



53.2301, 0.4116, 0.2513

Rectangle

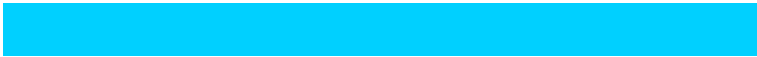
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.2301, 0.4762, 0.4601



53.2301, 0.3279, 0.5308



53.2301, 0.1576, 0.1810



53.2301, 0.2657, 0.1918

Sweetspot

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



53.2328, 0.4762, 0.4601



83.8315, 0.3637, 0.3859



20.1708, 0.5919, 0.3034



17.5103, 0.3716, 0.3941



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.



53.2328, 0.4762, 0.4601



57.1707, 0.4763, 0.4600



77.4061, 0.3779, 0.5382



18.5321, 0.3275, 0.3463



28.3904, 0.4750, 0.4610



2.6622, 0.4665, 0.4678

Inverse Universe

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



10.5013, 0.1580, 0.0888



11.2499, 0.1579, 0.0886



7.6058, 0.1615, 0.0663



16.6361, 0.2979, 0.3110



5.7486, 0.1588, 0.0915



0.6664, 0.1653, 0.1150

Previews

White Background



This preview shows how the Yxy color 53.2301, 0.4762, 0.4601 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 53.2301, 0.4762, 0.4601 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 53.2301, 0.4762, 0.4601

Background



This preview shows how black text looks on a background with the Yxy color 53.2301, 0.4762, 0.4601.



This preview shows how white text looks on a background with the Yxy color 53.2301, 0.4762, 0.4601.

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

53.2301, 0.4762, 0.4601

Protanopia

53.5207, 0.4389, 0.4865

Deuteranopia

53.1001, 0.4728, 0.4628



Tritanopia

53.0133, 0.3802, 0.3155

Trichromacy



Original Color

53.2301, 0.4762, 0.4601

Protanomaly

53.5046, 0.4526, 0.4769

Deuteranomaly

53.2794, 0.4736, 0.4622

Tritanomaly

52.2285, 0.4355, 0.3892

Monochromacy



Original Color

53.2301, 0.4762, 0.4601

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2647, 0.3894, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2301, 0.4762, 0.4601 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(247, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 182, 0)  
}
```

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(247, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 182, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.2301, 0.4762, 0.4601 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(247, 182, 0) }
```

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

```
.border{ border-color:rgb(247, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 182,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2301, 0.4762, 0.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 182, 0) }
```

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

```
.background{ background-color: rgb(247,  
182, 0) }
```

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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