

Converting Colors

$Yxy(52.6637, 0.4780, 0.4586)$

Have a look what the booklet for
Yxy(52.6637, 0.4780, 0.4586)
contains.

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Color

Yxy(52.4167, 0.4783, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	F7B400
RGB	247, 180, 0
RGB Percent	97%, 71%, 0%
CMY	0.0313, 0.2941, 1.0000
CMYK	0.00, 0.27, 1.00, 0.03
HSL	44°, 100%, 48%
HSV	44°, 100%, 97%
XYZ	54.6803, 52.4167, 7.2252
YIQ	179.5130, 97.7120, -41.7760

Conversions

Conversions Part 2

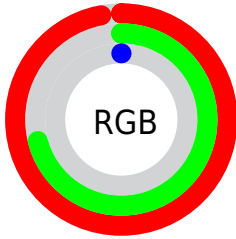
Format	Color
R _Y B	92, 247, 0
Decimal	16233472
CIE Lab	77.53, 12.70, 80.29
CIE LCh	78, 81.286, 81.009
Yxy	52.4167, 0.4783, 0.4585
Android (android.graphics.Color)	4294423552 (0xFF7B400)
YUV	179.5130, -88.4999, 59.1861
Hunter-Lab	72.3994, 8.1148, 44.7627

Details

The Yxy color **52.4167, 0.4783, 0.4585** 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 **10.7310, 0.1585, 0.0905**, and the grayscale version is **45.8137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8601, 0.4168, 0.4689**, and **25.7526, 0.4865, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **52.4201, 0.4783, 0.4585**, and if you desaturate by 10%, it is **55.2603, 0.4683, 0.4601**.

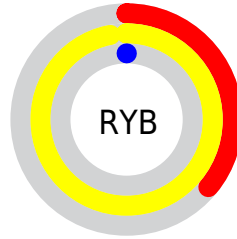
Distribution



Red (97%)

Green (71%)

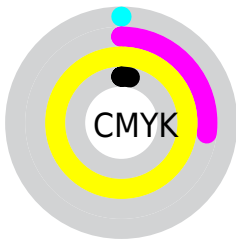
Blue (0%)



Red (36%)

Yellow (97%)

Blue (0%)

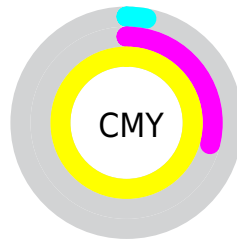


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.4167, 0.4783, 0.4585 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 52.4167, 0.4783, 0.4585 by changing the saturation by 10% instead.


 52.4167, 0.4783,
0.4585

 52.4167, 0.4783,
0.4585


396.0432, 0.4070,
0.4082

 37.3373, 0.4908,
0.4653


 93.7455, 0.4562,
0.4445

 25.4688, 0.5037,
0.4710

 120.7637, 0.4468,
0.4379


 16.4267, 0.5195,
0.4771


 152.5303, 0.4383,
0.4319

 9.8266, 0.5275,
0.4725

 189.4297, 0.4306,
0.4263

 5.2841, 0.5364,
0.4636

 231.8463, 0.4238,
0.4211

 2.4149, 0.5503,
0.4497

 280.1645, 0.4176,

 0.8335, 0.5755,

0.4165

0.4245

334.7687, 0.4121,
0.4122

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.4167, 0.4783,
0.4585

■ 52.4167, 0.4783,
0.4585

■ 52.4201, 0.4783,
0.4585

■ 55.2603, 0.4683,
0.4601

■ 58.3204, 0.4554,
0.4572

■ 61.6293, 0.4396,
0.4494

■ 65.2049, 0.4217,
0.4373

■ 69.0626, 0.4025,
0.4218

■ 73.2160, 0.3829,
0.4041

■ 77.6774, 0.3637,
0.3852

■ 82.4581, 0.3454,
0.3660

■ 87.5689, 0.3284,
0.3471

Harmonies

Analogous

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



52.4167, 0.5221, 0.3839



52.4167, 0.4783, 0.4585



52.4167, 0.3952, 0.5207

Triad

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



52.4167, 0.4783, 0.4585



52.4167, 0.1540, 0.3030



52.4167, 0.2966, 0.2016

Complementary

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



52.4167, 0.4783, 0.4585



10.7310, 0.1585, 0.0905

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.



52.4167, 0.2080, 0.1775



52.4167, 0.4783, 0.4585



52.4167, 0.1385, 0.2189

Square

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



52.4167, 0.4783, 0.4585



52.4167, 0.2087, 0.4275



52.4167, 0.1563, 0.1811



52.4167, 0.4091, 0.2496

Rectangle

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



52.4167, 0.4783, 0.4585



52.4167, 0.3303, 0.5319



52.4167, 0.1563, 0.1811



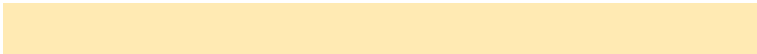
52.4167, 0.2631, 0.1907

Sweetspot

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



52.4201, 0.4783, 0.4585



83.4814, 0.3638, 0.3853



20.2180, 0.5864, 0.3004



17.4262, 0.3718, 0.3934



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.



52.4201, 0.4783, 0.4585



56.3048, 0.4784, 0.4584



77.9296, 0.3808, 0.5358



18.5087, 0.3275, 0.3462



27.9688, 0.4770, 0.4594



2.6281, 0.4681, 0.4665

Inverse Universe

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



10.7310, 0.1585, 0.0905



11.4976, 0.1584, 0.0902



7.4870, 0.1600, 0.0655



16.6581, 0.2979, 0.3112



5.8754, 0.1592, 0.0932



0.6801, 0.1658, 0.1169

Previews

White Background



This preview shows how the Yxy color 52.4167, 0.4783, 0.4585 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 52.4167, 0.4783, 0.4585 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 52.4167, 0.4783, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 52.4167, 0.4783, 0.4585.



This preview shows how white text looks on a background with the Yxy color 52.4167, 0.4783, 0.4585.

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

52.4167, 0.4783, 0.4585

Protanopia

52.4827, 0.4400, 0.4857

Deuteranopia

52.5106, 0.4730, 0.4626



Tritanopia

52.1927, 0.3827, 0.3155

Trichromacy



Original Color

52.4167, 0.4783, 0.4585

Protanomaly

52.4801, 0.4537, 0.4760

Deuteranomaly

52.2808, 0.4748, 0.4612

Tritanomaly

51.4383, 0.4376, 0.3881

Monochromacy



Original Color

52.4167, 0.4783, 0.4585

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.7177, 0.3890, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4167, 0.4783, 0.4585 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, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 180, 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, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 180, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.4167, 0.4783, 0.4585 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, 180, 0) }
```

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

```
.border{ border-color:rgb(247, 180, 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, 180, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 180,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4167, 0.4783, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 180, 0) }
```

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

```
.background{ background-color: rgb(247,  
180, 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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