

Converting Colors

$Y_{xy}(53.3000, 0.4524, 0.4732)$

Have a look what the booklet for
Yxy(53.3000, 0.4524, 0.4732)
contains.

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Color

Yxy(53.2761, 0.4527, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	E6BD16
RGB	230, 189, 22
RGB Percent	90%, 74%, 9%
CMY	0.0980, 0.2588, 0.9137
CMYK	0.00, 0.18, 0.90, 0.10
HSL	48°, 83%, 49%
HSV	48°, 90%, 90%
XYZ	50.9788, 53.2761, 8.3557
YIQ	182.2210, 78.0430, -43.2450

Conversions

Conversions Part 2

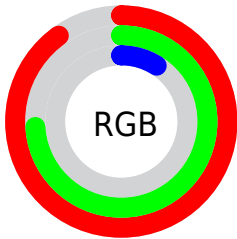
Format	Color
RYB	73, 230, 22
Decimal	15121686
CIELab	78.04, 0.91, 77.14
CIELCh	78, 77.149, 89.325
Yxy	53.2761, 0.4527, 0.4731
Android (android.graphics.Color)	4293311766 (0xFFE6BD16)
YUV	182.2210, -78.9890, 41.9022
Hunter-Lab	72.9905, -3.0633, 44.3060

Details

The Yxy color **53.2761, 0.4527, 0.4731** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **9.4428, 0.1613, 0.0929**, and the grayscale version is **47.3163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3030, 0.4081, 0.4705**, and **26.0433, 0.4583, 0.4743** is the 20% darker color. If you saturate the color by 10%, you get **51.3809, 0.4597, 0.4732**, and if you desaturate by 10%, it is **55.3922, 0.4428, 0.4690**.

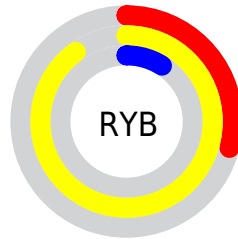
Distribution



Red (90%)

Green (74%)

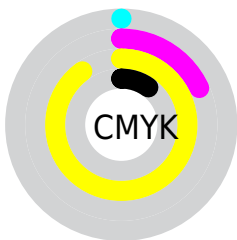
Blue (9%)



Red (29%)

Yellow (90%)

Blue (9%)

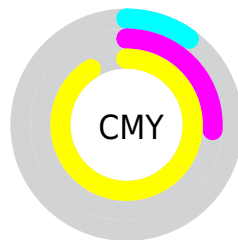


Cyan (0%)

Magenta (18%)

Yellow (90%)

Black (10%)



Cyan (10%)


Magenta (26%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2761, 0.4527, 0.4731 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 53.2761, 0.4527, 0.4731 by changing the saturation by 10% instead.

 53.2761, 0.4527,
0.4731


 53.2761, 0.4527,
0.4731

399.3435, 0.3932,
0.4122


 38.0232, 0.4629,
0.4833


 95.0105, 0.4344,
0.4545


 26.0007, 0.4731,
0.4936


 122.2609, 0.4265,
0.4465


 16.8242, 0.4839,
0.5042


 154.2791, 0.4194,
0.4392

 10.1092, 0.4902,
0.5098

 191.4498, 0.4130,
0.4326

 5.4714, 0.4909,
0.5091

 234.1571, 0.4073,
0.4267

 2.5264, 0.4919,
0.5081

 282.7856, 0.4021,

 0.8898, 0.4939,

0.4214

0.5061

337.7196, 0.3974,
0.4166

■ 0.0000, 0.0000,
0.0000

■ 53.2761, 0.4527,
0.4731

■ 53.2761, 0.4527,
0.4731

■ 51.3809, 0.4597,
0.4732

■ 55.3922, 0.4428,
0.4690

■ 57.6636, 0.4300,
0.4601

■ 60.1072, 0.4149,
0.4470

■ 62.7351, 0.3981,
0.4305

■ 65.5578, 0.3805,
0.4115

■ 68.5849, 0.3627,
0.3912

■ 71.8250, 0.3453,
0.3703

■ 75.2864, 0.3288,
0.3497

■ 78.9766, 0.3134,
0.3298

Harmonies

Analogous

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



53.2761, 0.5062, 0.4033



53.2761, 0.4527, 0.4731



53.2761, 0.3678, 0.5190

Triad

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



53.2761, 0.4527, 0.4731



53.2761, 0.1535, 0.2783



53.2761, 0.3265, 0.2180

Complementary

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



53.2761, 0.4527, 0.4731



9.4428, 0.1613, 0.0929

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.



53.2761, 0.2332, 0.1878



53.2761, 0.4527, 0.4731



53.2761, 0.1474, 0.2107

Square

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



53.2761, 0.4527, 0.4731



53.2761, 0.1959, 0.3883



53.2761, 0.1734, 0.1837



53.2761, 0.4320, 0.2695

Rectangle

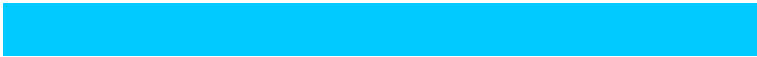
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.2761, 0.4527, 0.4731



53.2761, 0.3049, 0.5121



53.2761, 0.1734, 0.1837



53.2761, 0.2923, 0.2052

Sweetspot

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



53.2787, 0.4527, 0.4731



87.9737, 0.3569, 0.3844



17.7654, 0.5830, 0.3061



18.5360, 0.3630, 0.3915



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.



53.2787, 0.4527, 0.4731



64.7888, 0.4600, 0.4730



64.9413, 0.3697, 0.5394



16.3089, 0.3272, 0.3477



29.2606, 0.4589, 0.4738



2.2858, 0.4521, 0.4792

Inverse Universe

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



9.4428, 0.1613, 0.0929



9.5252, 0.1547, 0.0767



8.1924, 0.1792, 0.0804



14.3449, 0.2980, 0.3095



4.4481, 0.1554, 0.0795



0.4573, 0.1626, 0.1052

Previews

White Background



This preview shows how the Yxy color 53.2761, 0.4527, 0.4731 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 53.2761, 0.4527, 0.4731 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 53.2761, 0.4527, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 53.2761, 0.4527, 0.4731.



This preview shows how white text looks on a background with the Yxy color 53.2761, 0.4527, 0.4731.

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

53.2761, 0.4527, 0.4731

Protanopia

53.5549, 0.4374, 0.4843

Deuteranopia

53.1839, 0.4689, 0.4580



Tritanopia

53.2501, 0.3586, 0.3149

Trichromacy



Original Color

53.2761, 0.4527, 0.4731

Protanomaly

53.2907, 0.4429, 0.4804

Deuteranomaly

53.1232, 0.4633, 0.4632

Tritanomaly

52.4391, 0.4072, 0.3882

Monochromacy



Original Color

53.2761, 0.4527, 0.4731

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.2953, 0.3747, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2761, 0.4527, 0.4731 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(230, 189, 22)` looks like.

```
.text, #text, p{  
    color:rgb(230, 189, 22)  
}
```

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(230, 189, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 189, 22) }
```

Border

The CSS property to change the border of an element to Yxy 53.2761, 0.4527, 0.4731 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(230, 189, 22) }
```

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

```
.border{ border-color:rgb(230, 189, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 189, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 189, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 189, 22);  
box-shadow:4px 4px 4px 4px rgb(230, 189,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2761, 0.4527, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 189, 22) }
```

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

```
.background{ background-color: rgb(230,  
189, 22) }
```

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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