

Converting Colors

$Yxy(48.8686, 0.4549, 0.4727)$

Have a look what the booklet for
Yxy(48.8686, 0.4549, 0.4727)
contains.

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Color

Yxy(48.7762, 0.4555, 0.4722)

Conversions

Conversions Part 1

Format	Color
Hex	DFB511
RGB	223, 181, 17
RGB Percent	87%, 71%, 7%
CMY	0.1256, 0.2901, 0.9330
CMYK	0.00, 0.19, 0.92, 0.13
HSL	48°, 86%, 47%
HSV	48°, 92%, 87%
XYZ	47.0512, 48.7762, 7.4683
YIQ	174.8620, 77.6760, -42.1000

Conversions

Conversions Part 2

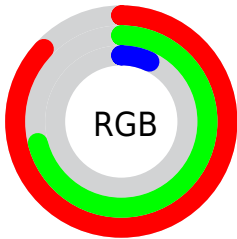
Format	Color
RYB	70, 223, 17
Decimal	14660881
CIELab	75.31, 1.95, 75.57
CIELCh	75, 75.591, 88.525
Yxy	48.7762, 0.4555, 0.4722
Android (android.graphics.Color)	4292850961 (0xFFDFB511)
YUV	174.8620, -77.8260, 42.2170
Hunter-Lab	69.8400, -1.9645, 42.5478

Details

The Yxy color **48.7762, 0.4555, 0.4722** 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 **8.5790, 0.1602, 0.0909**, and the grayscale version is **43.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9228, 0.4152, 0.4665**, and **23.4870, 0.4613, 0.4720** is the 20% darker color. If you saturate the color by 10%, you get **47.3391, 0.4612, 0.4720**, and if you desaturate by 10%, it is **50.7654, 0.4459, 0.4690**.

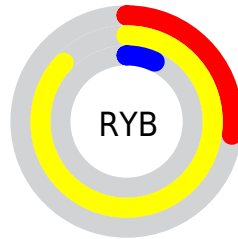
Distribution



Red (87%)

Green (71%)

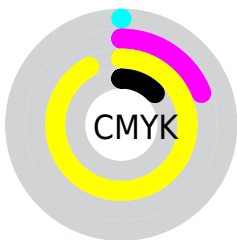
Blue (7%)



Red (27%)

Yellow (87%)

Blue (7%)

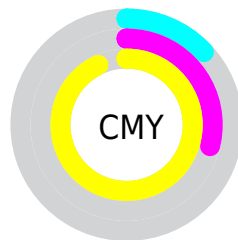


Cyan (0%)

Magenta (19%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (29%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7762, 0.4555, 0.4722 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 48.7762, 0.4555, 0.4722 by changing the saturation by 10% instead.


 48.7762, 0.4555,
0.4722


 48.7762, 0.4555,
0.4722


381.8606, 0.3937,
0.4111


 34.4420, 0.4662,
0.4824


 88.3590, 0.4364,
0.4536


 23.2333, 0.4769,
0.4924


 114.3763, 0.4281,
0.4455


 14.7659, 0.4898,
0.5041


 145.0568, 0.4208,
0.4382

 8.6553, 0.4939,
0.5061

 180.7849, 0.4141,
0.4316

 4.5170, 0.4954,
0.5046

 221.9449, 0.4082,
0.4257

 1.9668, 0.4980,
0.5020

 268.9213, 0.4029,

 0.5881, 0.5077,

0.4203

322.0984, 0.3981,
0.4155

0.4923

0.0000, 0.0000,
0.0000

48.7762, 0.4555,
0.4722

48.7762, 0.4555,
0.4722

47.3391, 0.4612,
0.4720

50.7654, 0.4459,
0.4690

52.9000, 0.4334,
0.4611

55.1961, 0.4184,
0.4488

57.6654, 0.4017,
0.4329

60.3178, 0.3840,
0.4145

■ 63.1625, 0.3661,
0.3945

■ 66.2076, 0.3486,
0.3739

■ 69.4609, 0.3319,
0.3534

■ 72.9294, 0.3162,
0.3335

Harmonies

Analogous

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



48.7762, 0.5084, 0.4016



48.7762, 0.4555, 0.4722



48.7762, 0.3704, 0.5201

Triad

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



48.7762, 0.4555, 0.4722



48.7762, 0.1530, 0.2802



48.7762, 0.3237, 0.2161

Complementary

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



48.7762, 0.4555, 0.4722



8.5790, 0.1602, 0.0909

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.



48.7762, 0.2304, 0.1863



48.7762, 0.4555, 0.4722



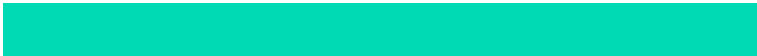
48.7762, 0.1460, 0.2109

Square

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



48.7762, 0.4555, 0.4722



48.7762, 0.1966, 0.3921



48.7762, 0.1713, 0.1829



48.7762, 0.4305, 0.2674

Rectangle

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



48.7762, 0.4555, 0.4722



48.7762, 0.3071, 0.5150



48.7762, 0.1713, 0.1829



48.7762, 0.2894, 0.2034

Sweetspot

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



48.7786, 0.4555, 0.4722



87.2888, 0.3588, 0.3860



16.4319, 0.5837, 0.3046



18.3071, 0.3665, 0.3949



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.



48.7786, 0.4555, 0.4722



63.9871, 0.4615, 0.4717



60.7629, 0.3719, 0.5390



15.5303, 0.3272, 0.3475



28.0074, 0.4604, 0.4726



2.0627, 0.4529, 0.4786

Inverse Universe

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



8.5790, 0.1602, 0.0909



9.6731, 0.1549, 0.0778



7.2429, 0.1750, 0.0770



13.6935, 0.2981, 0.3098



4.3858, 0.1558, 0.0808



0.4315, 0.1635, 0.1085

Previews

White Background



This preview shows how the Yxy color 48.7762, 0.4555, 0.4722 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 48.7762, 0.4555, 0.4722 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 48.7762, 0.4555, 0.4722

Background



This preview shows how black text looks on a background with the Yxy color 48.7762, 0.4555, 0.4722.



This preview shows how white text looks on a background with the Yxy color 48.7762, 0.4555, 0.4722.

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

48.7762, 0.4555, 0.4722

Protanopia

48.7201, 0.4380, 0.4853

Deuteranopia

48.7747, 0.4698, 0.4588



Tritanopia

48.4973, 0.3606, 0.3144

Trichromacy



Original Color

48.7762, 0.4555, 0.4722

Protanomaly

48.6208, 0.4445, 0.4805

Deuteranomaly

48.8839, 0.4647, 0.4635

Tritanomaly

47.9256, 0.4113, 0.3887

Monochromacy



Original Color

48.7762, 0.4555, 0.4722

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.9588, 0.3766, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7762, 0.4555, 0.4722 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(223, 181, 17)` looks like.

```
.text, #text, p{  
    color:rgb(223, 181, 17)  
}
```

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(223, 181, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 181, 17) }
```

Border

The CSS property to change the border of an element to Yxy 48.7762, 0.4555, 0.4722 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(223, 181, 17) }
```

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

```
.border{ border-color:rgb(223, 181, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 181, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 181, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 181, 17);  
box-shadow:4px 4px 4px 4px rgb(223, 181,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7762, 0.4555, 0.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 181, 17) }
```

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

```
.background{ background-color: rgb(223,  
181, 17) }
```

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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