

Converting Colors

$Y_{xy}(47.6562, 0.4451, 0.4788)$

Have a look what the booklet for
Yxy(47.6562, 0.4451, 0.4788)
contains.

Yxy(47.6562, 0.4451, 0.4788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6562, 0.4451, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	D5B615
RGB	213, 182, 21
RGB Percent	84%, 71%, 8%
CMY	0.1647, 0.2862, 0.9175
CMYK	0.00, 0.15, 0.90, 0.16
HSL	50°, 82%, 46%
HSV	50°, 90%, 84%
XYZ	44.3020, 47.6562, 7.5744
YIQ	172.9150, 70.1570, -43.4990

Conversions

Conversions Part 2

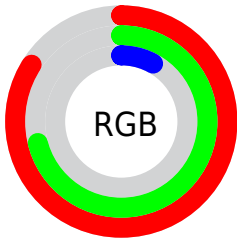
Format	Color
RYB	58, 213, 21
Decimal	14005781
CIELab	74.61, -2.88, 73.97
CIELCh	75, 74.021, 92.228
Yxy	47.6562, 0.4451, 0.4788
Android (android.graphics.Color)	4292195861 (0xFFD5B615)
YUV	172.9150, -74.8941, 35.1545
Hunter-Lab	69.0335, -6.2569, 41.8181

Details

The Yxy color **47.6562, 0.4451, 0.4788** 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 **7.4211, 0.1601, 0.0877**, and the grayscale version is **42.1091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1137, 0.4131, 0.4667**, and **22.8353, 0.4493, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **46.2300, 0.4513, 0.4799**, and if you desaturate by 10%, it is **49.1993, 0.4363, 0.4738**.

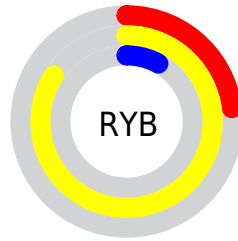
Distribution



Red (84%)

Green (71%)

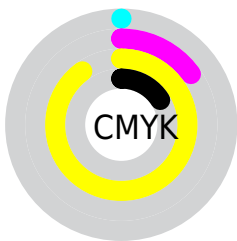
Blue (8%)



Red (23%)

Yellow (84%)

Blue (8%)

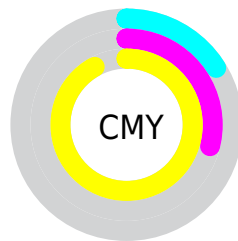


Cyan (0%)

Magenta (15%)

Yellow (90%)

Black (16%)



Cyan (16%)

Magenta (29%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6562, 0.4451, 0.4788 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 47.6562, 0.4451, 0.4788 by changing the saturation by 10% instead.


 47.6562, 0.4451,
0.4788


 47.6562, 0.4451,
0.4788


377.4278, 0.3880,
0.4128

 33.5547, 0.4548,
0.4906


 86.6923, 0.4275,
0.4581


 22.5517, 0.4643,
0.5026


 112.3957, 0.4199,
0.4492


 14.2629, 0.4754,
0.5171


 142.7352, 0.4131,
0.4414

 8.3037, 0.4774,
0.5226

 178.0952, 0.4070,
0.4343

 4.2899, 0.4749,
0.5251

 218.8600, 0.4015,
0.4281

 1.8370, 0.4708,
0.5292

 265.4141, 0.3965,

 0.5101, 0.4484,

0.4224

0.5516

318.1419, 0.3920,
0.4174

■ 0.0000, 0.0000,
0.0000

■ 47.6562, 0.4451,
0.4788

■ 47.6562, 0.4451,
0.4788

■ 46.2300, 0.4513,
0.4799

■ 49.1993, 0.4363,
0.4738

■ 50.8560, 0.4247,
0.4643

■ 52.6402, 0.4108,
0.4505

■ 54.5615, 0.3950,
0.4333

■ 56.6284, 0.3783,
0.4138

■ 58.8486, 0.3612,
0.3927

■ 61.2292, 0.3443,
0.3712

■ 63.7766, 0.3281,
0.3499

■ 66.4969, 0.3129,
0.3292

Harmonies

Analogous

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



47.6562, 0.5024, 0.4101



47.6562, 0.4451, 0.4788



47.6562, 0.3587, 0.5196

Triad

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



47.6562, 0.4451, 0.4788



47.6562, 0.1520, 0.2700



47.6562, 0.3367, 0.2225

Complementary

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



47.6562, 0.4451, 0.4788



7.4211, 0.1601, 0.0877

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.



47.6562, 0.2411, 0.1900



47.6562, 0.4451, 0.4788



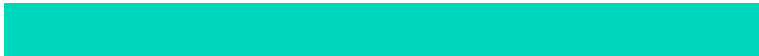
47.6562, 0.1490, 0.2069

Square

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



47.6562, 0.4451, 0.4788



47.6562, 0.1906, 0.3765



47.6562, 0.1781, 0.1833



47.6562, 0.4407, 0.2756

Rectangle

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



47.6562, 0.4451, 0.4788



47.6562, 0.2960, 0.5067



47.6562, 0.1781, 0.1833



47.6562, 0.3020, 0.2091

Sweetspot

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



47.6585, 0.4451, 0.4788



89.4455, 0.3563, 0.3866



14.9396, 0.5900, 0.3109



18.8878, 0.3622, 0.3940



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.



47.6585, 0.4451, 0.4788



69.2742, 0.4517, 0.4796



54.0275, 0.3648, 0.5426



14.1627, 0.3270, 0.3484



28.3688, 0.4508, 0.4803



1.8044, 0.4445, 0.4853

Inverse Universe

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



7.4211, 0.1601, 0.0877



8.8167, 0.1533, 0.0717



7.2737, 0.1846, 0.0838



12.3292, 0.2982, 0.3088



3.7450, 0.1540, 0.0745



0.3289, 0.1619, 0.1027

Previews

White Background



This preview shows how the Yxy color 47.6562, 0.4451, 0.4788 looks on a white background.

Color Contrast Check

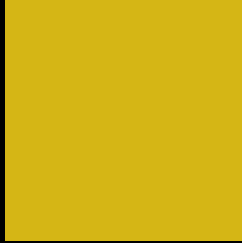
Large Text (above 18pt) WCAG AA × Fail

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 47.6562, 0.4451, 0.4788 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 47.6562, 0.4451, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 47.6562, 0.4451, 0.4788.



This preview shows how white text looks on a background with the Yxy color 47.6562, 0.4451, 0.4788.

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

47.6562, 0.4451, 0.4788

Protanopia

47.6043, 0.4376, 0.4843

Deuteranopia

47.5166, 0.4680, 0.4572



Tritanopia

47.4413, 0.3511, 0.3139

Trichromacy



Original Color

47.6562, 0.4451, 0.4788

Protanomaly

47.4802, 0.4404, 0.4821

Deuteranomaly

47.5264, 0.4597, 0.4652

Tritanomaly

46.7622, 0.3996, 0.3899

Monochromacy



Original Color

47.6562, 0.4451, 0.4788

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0500, 0.3731, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6562, 0.4451, 0.4788 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(213, 182, 21)` looks like.

```
.text, #text, p{  
    color:rgb(213, 182, 21)  
}
```

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(213, 182, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 182, 21) }
```

Border

The CSS property to change the border of an element to Yxy 47.6562, 0.4451, 0.4788 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(213, 182, 21) }
```

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

```
.border{ border-color:rgb(213, 182, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 182, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 182, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 182, 21);  
box-shadow:4px 4px 4px 4px rgb(213, 182,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6562, 0.4451, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 182, 21) }
```

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

```
.background{ background-color: rgb(213,  
182, 21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor