

Converting Colors

$Y_{xy}(12.9498, 0.4195, 0.4520)$

Have a look what the booklet for
Yxy(12.9498, 0.4195, 0.4520)
contains.

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Color

Yxy(12.8991, 0.4192, 0.4515)

Conversions

Conversions Part 1

Format	Color
Hex	736426
RGB	115, 100, 38
RGB Percent	45%, 39%, 15%
CMY	0.5491, 0.6078, 0.8509
CMYK	0.00, 0.13, 0.67, 0.55
HSL	48°, 50%, 30%
HSV	48°, 67%, 45%
XYZ	11.9763, 12.8991, 3.6940
YIQ	97.4170, 28.8420, -16.1020

Conversions

Conversions Part 2

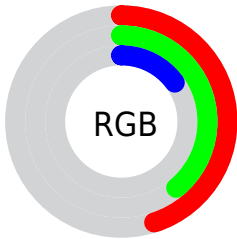
Format	Color
RYB	57, 115, 38
Decimal	7562278
CIELab	42.61, -1.97, 36.31
CIElCh	43, 36.361, 93.098
Yxy	12.8991, 0.4192, 0.4515
Android (android.graphics.Color)	4285752358 (0xFF736426)
YUV	97.4170, -29.2926, 15.4203
Hunter-Lab	35.9153, -3.3293, 19.0425

Details

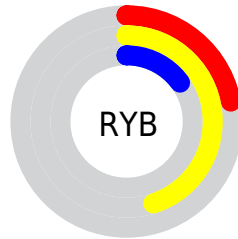
The Yxy color **12.8991, 0.4192, 0.4515** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.1965, 0.1978, 0.1607**, and the grayscale version is **12.1310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2401, 0.3952, 0.4242**, and **3.7283, 0.4459, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **12.4131, 0.4329, 0.4630**, and if you desaturate by 10%, it is **13.4211, 0.4038, 0.4367**.

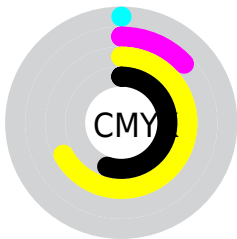
Distribution



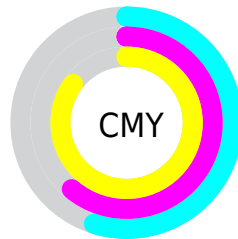
- Red (45%)
- Green (39%)
- Blue (15%)



- Red (22%)
- Yellow (45%)
- Blue (15%)



- Cyan (0%)
- Magenta (13%)
- Yellow (67%)
- Black (55%)





- Cyan (55%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8991, 0.4192, 0.4515 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 12.8991, 0.4192, 0.4515 by changing the saturation by 10% instead.


 12.8991, 0.4192,
0.4515


 12.8991, 0.4192,
0.4515

210.2700, 0.3581,
0.3802


 7.3591, 0.4354,
0.4712


 31.1224, 0.3956,
0.4235


 3.6877, 0.4661,
0.5081

 44.5745, 0.3870,
0.4135


 1.5004, 0.4753,
0.5247

 61.4327, 0.3800,
0.4054

 0.2890, 0.4396,
0.5604

 82.0815, 0.3741,
0.3986

 0.0000, 0.0000,
0.0000

 106.9052, 0.3691,
0.3929

 136.2883, 0.3649,

0.3880

170.6151, 0.3612,
0.3838

12.8991, 0.4192,
0.4515

12.8991, 0.4192,
0.4515

12.4131, 0.4329,
0.4630

13.4211, 0.4038,
0.4367

11.9589, 0.4443,
0.4705

13.9793, 0.3874,
0.4195

11.5318, 0.4537,
0.4745

14.5760, 0.3706,
0.4006

11.4037, 0.4566,
0.4756

15.2130, 0.3540,
0.3810

15.8916, 0.3379,
0.3613

■ 16.6135, 0.3227,
0.3419

■ 17.3799, 0.3085,
0.3234

■ 18.1921, 0.2954,
0.3059

■ 19.0514, 0.2834,
0.2896

Harmonies

Analogous

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



12.8991, 0.4613, 0.4017



12.8991, 0.4192, 0.4515



12.8991, 0.3516, 0.4729

Triad

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



12.8991, 0.4192, 0.4515



12.8991, 0.1841, 0.2848



12.8991, 0.3349, 0.2453

Complementary

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



12.8991, 0.4192, 0.4515



4.1965, 0.1978, 0.1607

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.



12.8991, 0.2597, 0.2177



12.8991, 0.4192, 0.4515



12.8991, 0.1812, 0.2333

Square

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



12.8991, 0.4192, 0.4515



12.8991, 0.2170, 0.3636



12.8991, 0.2067, 0.2124



12.8991, 0.4123, 0.2900

Rectangle

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



12.8991, 0.4192, 0.4515



12.8991, 0.3017, 0.4580



12.8991, 0.2067, 0.2124



12.8991, 0.3082, 0.2339

Sweetspot

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



12.8997, 0.4192, 0.4515



28.0183, 0.3436, 0.3683



5.2925, 0.4753, 0.2990



6.6194, 0.3472, 0.3727



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8997, 0.4192, 0.4515



21.8057, 0.4391, 0.4674



14.6687, 0.3671, 0.4948



4.1510, 0.3258, 0.3460



13.0104, 0.4569, 0.4754



62.1997, 0.4593, 0.4735

Inverse Universe

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



4.1965, 0.1978, 0.1607



5.0875, 0.1752, 0.1208



3.6208, 0.2204, 0.1395



3.6947, 0.2995, 0.3114



2.0611, 0.1566, 0.0836



9.0626, 0.1546, 0.0765

Previews

White Background



This preview shows how the Yxy color 12.8991, 0.4192, 0.4515 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.8991, 0.4192, 0.4515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

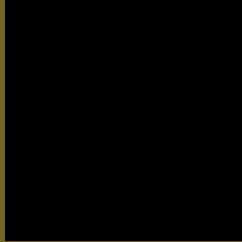
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.8991, 0.4192, 0.4515

Background



This preview shows how black text looks on a background with the Yxy color 12.8991, 0.4192, 0.4515.



This preview shows how white text looks on a background with the Yxy color 12.8991, 0.4192, 0.4515.

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

12.8991, 0.4192, 0.4515

Protanopia

12.8920, 0.4132, 0.4558

Deuteranopia

12.8722, 0.4395, 0.4349



Tritanopia

12.9381, 0.3430, 0.3148

Trichromacy



Original Color

12.8991, 0.4192, 0.4515

Protanomaly

12.9580, 0.4147, 0.4549

Deuteranomaly

12.7608, 0.4318, 0.4399

Tritanomaly

12.7674, 0.3746, 0.3671

Monochromacy



Original Color

12.8991, 0.4192, 0.4515

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2002, 0.3537, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8991, 0.4192, 0.4515 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(115, 100, 38)` looks like.

```
.text, #text, p{  
  color:rgb(115, 100, 38)  
}
```

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(115, 100, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 100, 38) }
```

Border

The CSS property to change the border of an element to Yxy 12.8991, 0.4192, 0.4515 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(115, 100, 38) }
```

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

```
.border{ border-color:rgb(115, 100, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 100, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 100, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 100, 38);  
box-shadow:4px 4px 4px 4px rgb(115, 100,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8991, 0.4192, 0.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 100, 38) }
```

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

```
.background{ background-color: rgb(115,  
100, 38) }
```

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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