

Converting Colors

$Yxy(52.0195, 0.4468, 0.4745)$

Have a look what the booklet for
Yxy(52.0195, 0.4468, 0.4745)
contains.

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Color

Yxy(51.9024, 0.4472, 0.4742)

Conversions

Conversions Part 1

Format	Color
Hex	E0BC1D
RGB	224, 188, 29
RGB Percent	88%, 74%, 11%
CMY	0.1215, 0.2627, 0.8861
CMYK	0.00, 0.16, 0.87, 0.12
HSL	49°, 77%, 50%
HSV	49°, 87%, 88%
XYZ	48.9472, 51.9024, 8.6030
YIQ	180.6380, 72.4950, -41.8170

Conversions

Conversions Part 2

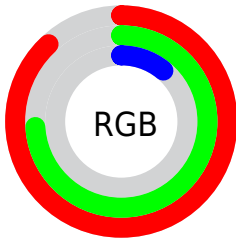
Format	Color
RYB	73, 224, 29
Decimal	14728221
CIELab	77.22, -1.05, 74.91
CIElCh	77, 74.915, 90.801
Yxy	51.9024, 0.4472, 0.4742
Android (android.graphics.Color)	4292918301 (0xFFE0BC1D)
YUV	180.6380, -74.7575, 38.0285
Hunter-Lab	72.0433, -4.8006, 43.3503

Details

The Yxy color **51.9024, 0.4472, 0.4742** 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 **9.4297, 0.1638, 0.0974**, and the grayscale version is **46.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7517, 0.4075, 0.4678**, and **25.2205, 0.4541, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **50.0884, 0.4547, 0.4756**, and if you desaturate by 10%, it is **53.8518, 0.4367, 0.4682**.

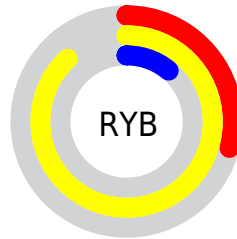
Distribution



Red (88%)

Green (74%)

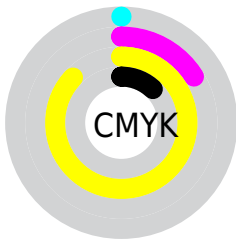
Blue (11%)



Red (29%)

Yellow (88%)

Blue (11%)

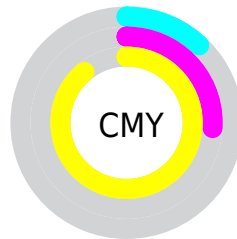


Cyan (0%)

Magenta (16%)

Yellow (87%)

Black (12%)



Cyan (12%)

Magenta (26%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9024, 0.4472, 0.4742 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 51.9024, 0.4472, 0.4742 by changing the saturation by 10% instead.


 51.9024, 0.4472,
0.4742


 51.9024, 0.4472,
0.4742


394.0597, 0.3896,
0.4115


 36.9273, 0.4571,
0.4852


 92.9873, 0.4294,
0.4547

 25.1512, 0.4672,
0.4965


 119.8658, 0.4218,
0.4464

 16.1897, 0.4775,
0.5082


 151.4810, 0.4149,
0.4389

 9.6585, 0.4839,
0.5161

 188.2172, 0.4087,
0.4322

 5.1731, 0.4831,
0.5169

 230.4587, 0.4032,
0.4262

 2.3492, 0.4818,
0.5182

 278.5901, 0.3982,

 0.7996, 0.4788,

0.4208

0.5212

332.9956, 0.3937,
0.4159

■ 0.0000, 0.0000,
0.0000

■ 51.9024, 0.4472,
0.4742

■ 51.9024, 0.4472,
0.4742

■ 50.0884, 0.4547,
0.4756

■ 53.8518, 0.4367,
0.4682

■ 49.5669, 0.4567,
0.4756

■ 55.9451, 0.4236,
0.4577

■ 58.1972, 0.4082,
0.4431

■ 60.6189, 0.3914,
0.4254

■ 63.2195, 0.3739,
0.4057

■ 66.0077, 0.3565,
0.3848

■ 68.9913, 0.3395,
0.3637

■ 72.1777, 0.3234,
0.3431

■ 75.5737, 0.3084,
0.3232

Harmonies

Analogous

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



51.9024, 0.5014, 0.4063



51.9024, 0.4472, 0.4742



51.9024, 0.3629, 0.5159

Triad

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



51.9024, 0.4472, 0.4742



51.9024, 0.1550, 0.2753



51.9024, 0.3315, 0.2219

Complementary

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



51.9024, 0.4472, 0.4742



9.4297, 0.1638, 0.0974

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.



51.9024, 0.2385, 0.1909



51.9024, 0.4472, 0.4742



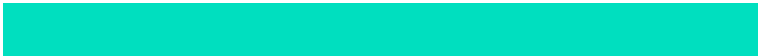
51.9024, 0.1504, 0.2107

Square

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



51.9024, 0.4472, 0.4742



51.9024, 0.1952, 0.3814



51.9024, 0.1778, 0.1856



51.9024, 0.4343, 0.2736

Rectangle

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



51.9024, 0.4472, 0.4742



51.9024, 0.3010, 0.5057



51.9024, 0.1778, 0.1856



51.9024, 0.2976, 0.2089

Sweetspot

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



51.9049, 0.4472, 0.4742



88.8769, 0.3550, 0.3830



17.1468, 0.5708, 0.3037



18.7361, 0.3610, 0.3904



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.



51.9049, 0.4472, 0.4742



66.3285, 0.4570, 0.4753



61.4579, 0.3704, 0.5356



15.5766, 0.3272, 0.3480



29.0072, 0.4560, 0.4761



2.1237, 0.4494, 0.4814

Inverse Universe

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



9.4297, 0.1638, 0.0974



9.2601, 0.1541, 0.0748



8.3149, 0.1836, 0.0854



13.6507, 0.2981, 0.3093



4.1923, 0.1549, 0.0777



0.4114, 0.1623, 0.1043

Previews

White Background



This preview shows how the Yxy color 51.9024, 0.4472, 0.4742 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 51.9024, 0.4472, 0.4742 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 51.9024, 0.4472, 0.4742

Background



This preview shows how black text looks on a background with the Yxy color 51.9024, 0.4472, 0.4742.



This preview shows how white text looks on a background with the Yxy color 51.9024, 0.4472, 0.4742.

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

51.9024, 0.4472, 0.4742

Protanopia

51.8024, 0.4364, 0.4821

Deuteranopia

51.8640, 0.4670, 0.4562



Tritanopia

51.7832, 0.3544, 0.3146

Trichromacy



Original Color

51.9024, 0.4472, 0.4742

Protanomaly

51.8261, 0.4399, 0.4794

Deuteranomaly

52.0474, 0.4596, 0.4631

Tritanomaly

51.0772, 0.4006, 0.3862

Monochromacy



Original Color

51.9024, 0.4472, 0.4742

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.6577, 0.3716, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9024, 0.4472, 0.4742 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(224, 188, 29)` looks like.

```
.text, #text, p{  
    color:rgb(224, 188, 29)  
}
```

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(224, 188, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 188, 29) }
```

Border

The CSS property to change the border of an element to Yxy 51.9024, 0.4472, 0.4742 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(224, 188, 29) }
```

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

```
.border{ border-color:rgb(224, 188, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 188, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 188, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 188, 29);  
box-shadow:4px 4px 4px 4px rgb(224, 188,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9024, 0.4472, 0.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 188, 29) }
```

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

```
.background{ background-color: rgb(224,  
188, 29) }
```

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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