

Converting Colors

$Y_{xy}(56.1778, 0.4542, 0.4776)$

Have a look what the booklet for
Yxy(56.1778, 0.4542, 0.4776)
contains.

Yxy(56.2457, 0.4545, 0.4773)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.2457, 0.4545, 0.4773)

Conversions

Conversions Part 1

Format	Color
Hex	EBC200
RGB	235, 194, 0
RGB Percent	92%, 76%, 0%
CMY	0.0783, 0.2392, 0.9995
CMYK	0.00, 0.17, 1.00, 0.08
HSL	50°, 100%, 46%
HSV	50°, 100%, 92%
XYZ	53.5589, 56.2457, 8.0368
YIQ	184.1430, 86.7100, -51.6420

Conversions

Conversions Part 2

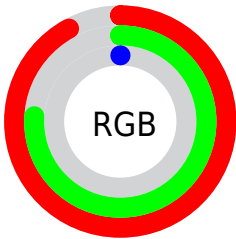
Format	Color
RYB	50, 235, 0
Decimal	15450624
CIELab	79.75, 0.25, 81.20
CIELCh	80, 81.197, 89.820
Yxy	56.2457, 0.4545, 0.4773
Android (android.graphics.Color)	4293640704 (0xFFEBC200)
YUV	184.1430, -90.7825, 44.6016
Hunter-Lab	74.9971, -3.7699, 46.1444

Details

The Yxy color **56.2457, 0.4545, 0.4773** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed yellow. A complement of this color would be **7.5971, 0.1539, 0.0740**, and the grayscale version is **48.5029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2713, 0.4074, 0.4775**, and **28.0484, 0.4571, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **56.2379, 0.4545, 0.4773**, and if you desaturate by 10%, it is **58.1651, 0.4479, 0.4768**.

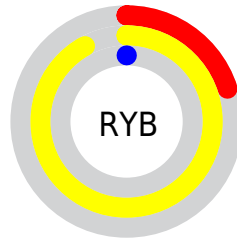
Distribution



Red (92%)

Green (76%)

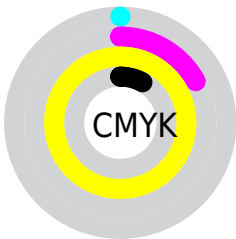
Blue (0%)



Red (20%)

Yellow (92%)

Blue (0%)

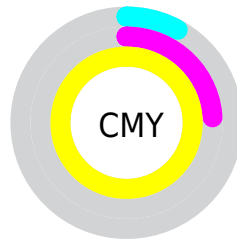


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2457, 0.4545, 0.4773 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 56.2457, 0.4545, 0.4773 by changing the saturation by 10% instead.


 56.2457, 0.4545,
0.4773


 56.2457, 0.4545,
0.4773


410.6168, 0.3957,
0.4159

 40.4000, 0.4641,
0.4873


 99.3637, 0.4368,
0.4589


 27.8505, 0.4736,
0.4971


 127.4048, 0.4291,
0.4508


 18.2130, 0.4836,
0.5075


 160.2798, 0.4220,
0.4435

 11.1030, 0.4881,
0.5119

 198.3730, 0.4157,
0.4368

 6.1362, 0.4883,
0.5117

 242.0689, 0.4099,
0.4308

 2.9281, 0.4885,
0.5115

 291.7519, 0.4047,

 1.0943, 0.4890,

0.4254

0.5110


347.8064, 0.4000,
0.4204


 0.0000, 0.0000,
0.0000


 56.2457, 0.4545,
0.4773

 56.2457, 0.4545,
0.4773


 56.2379, 0.4545,
0.4773

 58.1651, 0.4479,
0.4768

 60.2104, 0.4387,
0.4721

 62.4090, 0.4267,
0.4628

 64.7757, 0.4122,
0.4492

 67.3229, 0.3960,
0.4321

■ 70.0615, 0.3789,
0.4127

■ 73.0014, 0.3614,
0.3918

■ 76.1516, 0.3443,
0.3704

■ 79.5205, 0.3280,
0.3493

Harmonies

Analogous

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



56.2457, 0.5110, 0.4052



56.2457, 0.4545, 0.4773



56.2457, 0.3667, 0.5255

Triad

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



56.2457, 0.4545, 0.4773



56.2457, 0.1489, 0.2746



56.2457, 0.3285, 0.2157

Complementary

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



56.2457, 0.4545, 0.4773



7.5971, 0.1539, 0.0740

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.



56.2457, 0.2320, 0.1845



56.2457, 0.4545, 0.4773



56.2457, 0.1435, 0.2063

Square

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



56.2457, 0.4545, 0.4773



56.2457, 0.1912, 0.3881



56.2457, 0.1705, 0.1797



56.2457, 0.4376, 0.2686

Rectangle

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



56.2457, 0.4545, 0.4773



56.2457, 0.3022, 0.5183



56.2457, 0.1705, 0.1797



56.2457, 0.2931, 0.2026

Sweetspot

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



56.2484, 0.4545, 0.4773



87.7838, 0.3618, 0.3922



17.8447, 0.6146, 0.3160



18.4626, 0.3691, 0.4012



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.



56.2484, 0.4545, 0.4773



67.5817, 0.4547, 0.4772



66.9696, 0.3637, 0.5494



17.1533, 0.3272, 0.3483



31.4604, 0.4539, 0.4778



2.5880, 0.4482, 0.4823

Inverse Universe

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



7.5971, 0.1539, 0.0740



9.0617, 0.1537, 0.0734



7.4786, 0.1710, 0.0716



14.9742, 0.2980, 0.3089



4.3510, 0.1544, 0.0759



0.4652, 0.1608, 0.0988

Previews

White Background



This preview shows how the Yxy color 56.2457, 0.4545, 0.4773 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 56.2457, 0.4545, 0.4773 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 56.2457, 0.4545, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 56.2457, 0.4545, 0.4773.



This preview shows how white text looks on a background with the Yxy color 56.2457, 0.4545, 0.4773.

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

56.2457, 0.4545, 0.4773

Protanopia

56.0959, 0.4399, 0.4870

Deuteranopia

56.3375, 0.4703, 0.4606



Tritanopia

55.9500, 0.3577, 0.3141

Trichromacy



Original Color

56.2457, 0.4545, 0.4773

Protanomaly

56.2765, 0.4445, 0.4840

Deuteranomaly

56.2659, 0.4653, 0.4664

Tritanomaly

54.8539, 0.4127, 0.3953

Monochromacy



Original Color

56.2457, 0.4545, 0.4773

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.9473, 0.3824, 0.4168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2457, 0.4545, 0.4773 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(235, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 194, 0)  
}
```

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(235, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.2457, 0.4545, 0.4773 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(235, 194, 0) }
```

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

```
.border{ border-color:rgb(235, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 194,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2457, 0.4545, 0.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 194, 0) }
```

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

```
.background{ background-color: rgb(235,  
194, 0) }
```

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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