

Converting Colors

Yxy(63.5515, 0.4567, 0.4756)

Have a look what the booklet for
Yxy(63.5515, 0.4567, 0.4756)
contains.

Yxy(63.5097, 0.4568, 0.4755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.5097, 0.4568, 0.4755)

Conversions

Conversions Part 1

Format	Color
Hex	FACC00
RGB	250, 204, 0
RGB Percent	98%, 80%, 0%
CMY	0.0197, 0.1999, 1.0000
CMYK	0.00, 0.18, 1.00, 0.02
HSL	49°, 100%, 49%
HSV	49°, 100%, 98%
XYZ	61.0121, 63.5097, 9.0423
YIQ	194.4980, 92.9000, -53.6920

Conversions

Conversions Part 2

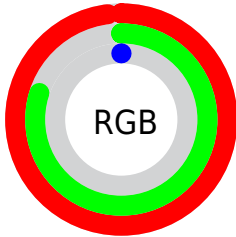
Format	Color
R _Y B	56, 250, 0
Decimal	16436224
CIE Lab	83.71, 1.53, 84.66
CIE LCh	84, 84.670, 88.963
Yxy	63.5097, 0.4568, 0.4755
Android (android.graphics.Color)	4294626304 (0xFFFA00)
YUV	194.4980, -95.8875, 48.6753
Hunter-Lab	79.6930, -2.8051, 49.0578

Details

The Yxy color **63.5097, 0.4568, 0.4755** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.8525, 0.1541, 0.0749**, and the grayscale version is **54.8000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4519, 0.4038, 0.4797**, and **32.5041, 0.4603, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **63.5125, 0.4568, 0.4755**, and if you desaturate by 10%, it is **65.8007, 0.4500, 0.4753**.

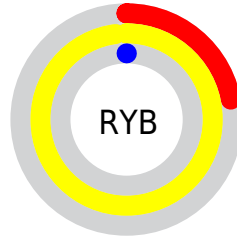
Distribution



Red (98%)

Green (80%)

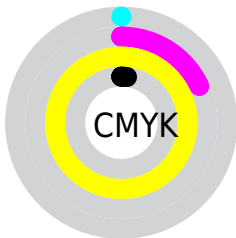
Blue (0%)



Red (22%)

Yellow (98%)

Blue (0%)

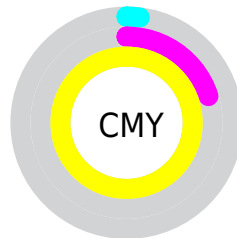


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5097, 0.4568, 0.4755 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 63.5097, 0.4568, 0.4755 by changing the saturation by 10% instead.


 63.5097, 0.4568,
0.4755


 63.5097, 0.4568,
0.4755


437.4169, 0.3984,
0.4168


 46.2537, 0.4663,
0.4848

 109.9045, 0.4394,
0.4582


 32.4460, 0.4757,
0.4939

 139.8121, 0.4317,
0.4505


 21.7024, 0.4848,
0.5023


 174.7057, 0.4248,
0.4435

 13.6384, 0.4918,
0.5082

 214.9696, 0.4184,
0.4371

 7.8696, 0.4926,
0.5074

 260.9883, 0.4127,
0.4313

 4.0116, 0.4940,
0.5060

 313.1462, 0.4075,

 1.6801, 0.4962,

0.4260

0.5038

371.8276, 0.4027,
0.4212

■ 0.4107, 0.5102,
0.4898

■ 0.0000, 0.0000,
0.0000

■ 63.5097, 0.4568,
0.4755

■ 63.5097, 0.4568,
0.4755

■ 63.5125, 0.4568,
0.4755

■ 65.8007, 0.4500,
0.4753

■ 68.2436, 0.4406,
0.4709

■ 70.8696, 0.4282,
0.4618

■ 73.6960, 0.4134,
0.4484

■ 76.7376, 0.3970,
0.4316

■ 80.0070, 0.3796,
0.4122

■ 83.5158, 0.3619,
0.3915

■ 87.2746, 0.3446,
0.3703

■ 91.2932, 0.3281,
0.3493

Harmonies

Analogous

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



63.5097, 0.5121, 0.4031



63.5097, 0.4568, 0.4755



63.5097, 0.3695, 0.5251

Triad

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



63.5097, 0.4568, 0.4755



63.5097, 0.1494, 0.2772



63.5097, 0.3254, 0.2144

Complementary

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



63.5097, 0.4568, 0.4755



8.8525, 0.1541, 0.0749

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.



63.5097, 0.2297, 0.1838



63.5097, 0.4568, 0.4755



63.5097, 0.1430, 0.2075

Square

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



63.5097, 0.4568, 0.4755



63.5097, 0.1929, 0.3918



63.5097, 0.1691, 0.1799



63.5097, 0.4349, 0.2668

Rectangle

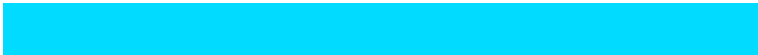
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.5097, 0.4568, 0.4755



63.5097, 0.3049, 0.5198



63.5097, 0.1691, 0.1799



63.5097, 0.2902, 0.2015

Sweetspot

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



63.5128, 0.4568, 0.4755



87.3655, 0.3620, 0.3916



20.5507, 0.6113, 0.3141



18.3615, 0.3694, 0.4004



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.



63.5128, 0.4568, 0.4755



66.4256, 0.4568, 0.4755



77.4713, 0.3663, 0.5473



19.6161, 0.3273, 0.3482



33.8923, 0.4561, 0.4761



3.2751, 0.4509, 0.4802

Inverse Universe

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



8.8525, 0.1541, 0.0749



9.2442, 0.1541, 0.0747



8.3966, 0.1686, 0.0702



17.1592, 0.2979, 0.3090



4.8455, 0.1547, 0.0769



0.5843, 0.1601, 0.0964

Previews

White Background



This preview shows how the Yxy color 63.5097, 0.4568, 0.4755 looks on a white background.

Color Contrast Check

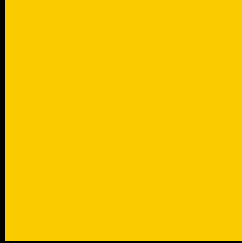
Large Text (above 18pt) WCAG AA × Fail

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 63.5097, 0.4568, 0.4755 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 63.5097, 0.4568, 0.4755

Background



This preview shows how black text looks on a background with the Yxy color 63.5097, 0.4568, 0.4755.



This preview shows how white text looks on a background with the Yxy color 63.5097, 0.4568, 0.4755.

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

63.5097, 0.4568, 0.4755

Protanopia

63.4557, 0.4405, 0.4866

Deuteranopia

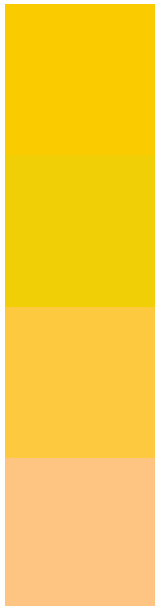
63.4504, 0.4332, 0.4288



Tritanopia

63.3671, 0.3543, 0.3157

Trichromacy



Original Color

63.5097, 0.4568, 0.4755

Protanomaly

63.3396, 0.4466, 0.4825

Deuteranomaly

63.0037, 0.4489, 0.4542

Tritanomaly

61.9742, 0.4122, 0.3974

Monochromacy



Original Color

63.5097, 0.4568, 0.4755

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

56.2905, 0.3831, 0.4159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5097, 0.4568, 0.4755 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(250, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 204, 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(250, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.5097, 0.4568, 0.4755 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(250, 204, 0) }
```

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

```
.border{ border-color:rgb(250, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5097, 0.4568, 0.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 204, 0) }
```

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

```
.background{ background-color: rgb(250,  
204, 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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