

Converting Colors

$Y_{xy}(79.7397, 0.4249, 0.4755)$

Have a look what the booklet for
Yxy(79.7397, 0.4249, 0.4755)
contains.

Yxy(79.9195, 0.4248, 0.4759)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.9195, 0.4248, 0.4759)

Conversions

Conversions Part 1

Format	Color
Hex	FFE941
RGB	255, 233, 65
RGB Percent	100%, 91%, 25%
CMY	0.0000, 0.0863, 0.7448
CMYK	0.00, 0.09, 0.74, 0.00
HSL	53°, 100%, 63%
HSV	53°, 74%, 100%
XYZ	71.3381, 79.9195, 16.6758
YIQ	220.4260, 67.0400, -47.5840

Conversions

Conversions Part 2

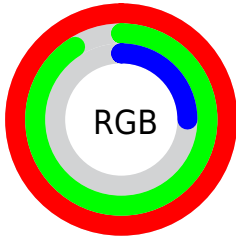
Format	Color
R _Y B	90, 255, 65
Decimal	16771393
CIE Lab	91.65, -9.61, 78.60
CIE LCh	92, 79.181, 96.972
Yxy	79.9195, 0.4248, 0.4759
Android (android.graphics.Color)	4294961473 (0xFFFFE941)
YUV	220.4260, -76.6250, 30.3214
Hunter-Lab	89.3977, -14.0055, 51.5187

Details

The Yxy color **79.9195, 0.4248, 0.4759** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **15.1725, 0.1750, 0.1123**, and the grayscale version is **72.3998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **43.3101, 0.4346, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **78.0304, 0.4335, 0.4838**, and if you desaturate by 10%, it is **81.9726, 0.4133, 0.4636**.

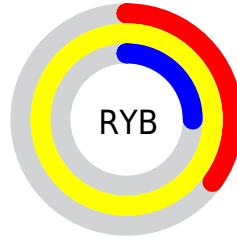
Distribution



Red (100%)

Green (91%)

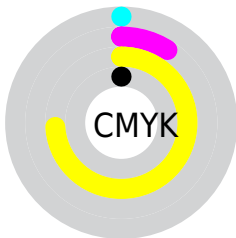
Blue (25%)



Red (35%)

Yellow (100%)

Blue (25%)

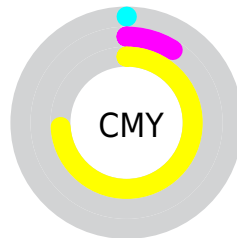


Cyan (0%)

Magenta (9%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9195, 0.4248, 0.4759 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 79.9195, 0.4248, 0.4759 by changing the saturation by 10% instead.


 79.9195, 0.4248,
0.4759

 79.9195, 0.4248,
0.4759

494.6615, 0.3805,
0.4142

 59.6521, 0.4322,
0.4874


 133.2525, 0.4115,
0.4564

 43.1383, 0.4399,
0.5000

 167.0870, 0.4057,
0.4483


 29.9936, 0.4472,
0.5135


 206.2126, 0.4004,
0.4410

 19.8338, 0.4533,
0.5273

 251.0137, 0.3957,
0.4344

 12.2743, 0.4578,
0.5422

 301.8748, 0.3913,
0.4286

 6.9307, 0.4515,
0.5485

359.1802, 0.3874,

 3.4188, 0.4418,

0.4233

423.3143, 0.3838,
0.4185

0.5582

1.3541, 0.4248,
0.5752

0.1825, 0.0000,
1.0000

79.9195, 0.4248,
0.4759

79.9195, 0.4248,
0.4759

78.0304, 0.4335,
0.4838

81.9726, 0.4133,
0.4636

76.2816, 0.4394,
0.4871

84.2016, 0.3996,
0.4472

75.3624, 0.4417,
0.4875

86.6218, 0.3843,
0.4278

89.2453, 0.3680,
0.4064

■ 92.0833, 0.3514,
0.3838

■ 95.1460, 0.3351,
0.3610

■ 98.4429, 0.3194,
0.3387

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.9195, 0.4812, 0.4171



79.9195, 0.4248, 0.4759



79.9195, 0.3436, 0.5003

Triad

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



79.9195, 0.4248, 0.4759



79.9195, 0.1623, 0.2651



79.9195, 0.3504, 0.2380

Complementary

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



79.9195, 0.4248, 0.4759



15.1725, 0.1750, 0.1123

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.



79.9195, 0.2601, 0.2041



79.9195, 0.4248, 0.4759



79.9195, 0.1639, 0.2122

Square

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



79.9195, 0.4248, 0.4759



79.9195, 0.1937, 0.3557



79.9195, 0.1962, 0.1941



79.9195, 0.4408, 0.2900

Rectangle

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



79.9195, 0.4248, 0.4759



79.9195, 0.2861, 0.4784



79.9195, 0.1962, 0.1941



79.9195, 0.3184, 0.2243

Sweetspot

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



79.9209, 0.4248, 0.4759



92.8230, 0.3473, 0.3781



25.7397, 0.5453, 0.3129



19.6953, 0.3518, 0.3843



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.



79.9209, 0.4248, 0.4759



77.2246, 0.4365, 0.4858



81.8707, 0.3598, 0.5255



20.7102, 0.3272, 0.3498



39.5216, 0.4413, 0.4878



3.9456, 0.4385, 0.4901

Inverse Universe

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



15.1725, 0.1750, 0.1123



10.1373, 0.1583, 0.0808



16.4003, 0.2127, 0.1147



17.7164, 0.2979, 0.3073



4.3522, 0.1523, 0.0682



0.5276, 0.1563, 0.0826

Previews

White Background



This preview shows how the Yxy color 79.9195, 0.4248, 0.4759 looks on a white background.

Color Contrast Check

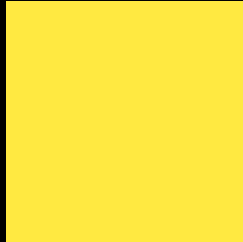
Large Text (above 18pt) WCAG AA × Fail

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 79.9195, 0.4248, 0.4759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

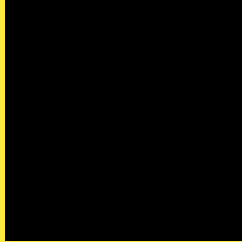
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9195, 0.4248, 0.4759

Background



This preview shows how black text looks on a background with the Yxy color 79.9195, 0.4248, 0.4759.



This preview shows how white text looks on a background with the Yxy color 79.9195, 0.4248, 0.4759.

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

79.9195, 0.4248, 0.4759

Protanopia

79.6041, 0.4054, 0.4433

Deuteranopia

79.9159, 0.3579, 0.3667



Tritanopia

79.9185, 0.3288, 0.3191

Trichromacy



Original Color

79.9195, 0.4248, 0.4759

Protanomaly

79.8178, 0.4133, 0.4569

Deuteranomaly

79.3430, 0.3876, 0.4135

Tritanomaly

79.1767, 0.3704, 0.3850

Monochromacy



Original Color

79.9195, 0.4248, 0.4759

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.8544, 0.3597, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9195, 0.4248, 0.4759 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(255, 233, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 65)  
}
```

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(255, 233, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 65) }
```

Border

The CSS property to change the border of an element to Yxy 79.9195, 0.4248, 0.4759 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(255, 233, 65) }
```

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

```
.border{ border-color:rgb(255, 233, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9195, 0.4248, 0.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 65) }
```

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

```
.background{ background-color: rgb(255,  
233, 65) }
```

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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