

Converting Colors

$Yxy(85.9980, 0.4421, 0.4523)$

Have a look what the booklet for
Yxy(85.9980, 0.4421, 0.4523)
contains.

Yxy(79.5824, 0.4194, 0.4660)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.5824, 0.4194, 0.4660)

Conversions

Conversions Part 1

Format	Color
Hex	FFE852
RGB	255, 232, 82
RGB Percent	100%, 91%, 32%
CMY	0.0000, 0.0902, 0.6784
CMYK	0.00, 0.09, 0.68, 0.00
HSL	52°, 100%, 66%
HSV	52°, 68%, 100%
XYZ	71.6242, 79.5824, 19.5711
YIQ	221.7770, 61.8580, -41.7740

Conversions

Conversions Part 2

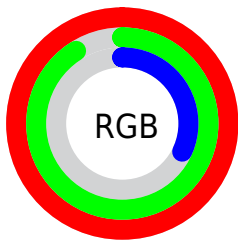
Format	Color
R_YB	109, 255, 82
Decimal	16771154
CIE Lab	91.50, -8.35, 72.47
CIE LCh	91, 72.949, 96.573
Yxy	79.5824, 0.4194, 0.4660
Android (android.graphics.Color)	4294961234 (0xFFFE852)
YUV	221.7770, -68.9101, 29.1366
Hunter-Lab	89.2090, -12.8015, 49.4389

Details

The Yxy color **79.5824, 0.4194, 0.4660** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **19.1211, 0.1864, 0.1341**, and the grayscale version is **73.3455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **43.0683, 0.4354, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **77.3742, 0.4305, 0.4767**, and if you desaturate by 10%, it is **81.9736, 0.4058, 0.4511**.

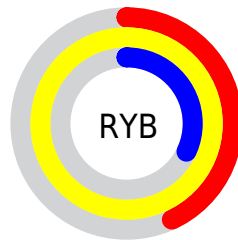
Distribution



Red (100%)

Green (91%)

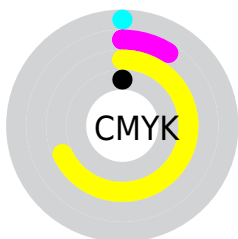
Blue (32%)



Red (43%)

Yellow (100%)

Blue (32%)

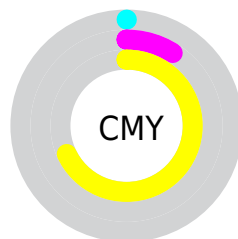


Cyan (0%)

Magenta (9%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5824, 0.4194, 0.4660 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 79.5824, 0.4194, 0.4660 by changing the saturation by 10% instead.


 79.5824, 0.4194,
0.4660


 79.5824, 0.4194,
0.4660


493.5244, 0.3760,
0.4075

 59.3748, 0.4271,
0.4772

 132.7784, 0.4060,
0.4473


 42.9149, 0.4353,
0.4898


 166.5357, 0.4003,
0.4395

 29.8183, 0.4437,
0.5037


 205.5782, 0.3952,
0.4326

 19.7007, 0.4514,
0.5183

 250.2904, 0.3906,
0.4265

 12.1777, 0.4617,
0.5383

301.0568, 0.3864,
0.4210

 6.8648, 0.4562,
0.5438


358.2616, 0.3826,


 3.3777, 0.4477,


0.4160

0.5523

422.2894, 0.3792,
0.4116

 1.3320, 0.4329,
0.5671


 0.1657, 0.0000,
1.0000


 79.5824, 0.4194,
0.4660

 79.5824, 0.4194,
0.4660


 77.3742, 0.4305,
0.4767


 81.9736, 0.4058,
0.4511

 75.3288, 0.4388,
0.4828


 84.5593, 0.3905,
0.4329

 73.4245, 0.4444,
0.4845

 87.3533, 0.3741,
0.4123

 73.0240, 0.4454,
0.4846

 90.3672, 0.3573,
0.3903

 93.6114, 0.3406,
0.3679

 97.0958, 0.3246,
0.3458

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.



79.5824, 0.4704, 0.4125



79.5824, 0.4194, 0.4660



79.5824, 0.3441, 0.4865

Triad

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



79.5824, 0.4194, 0.4660



79.5824, 0.1721, 0.2716



79.5824, 0.3467, 0.2434

Complementary

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



79.5824, 0.4194, 0.4660



19.1211, 0.1864, 0.1341

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.



79.5824, 0.2632, 0.2116



79.5824, 0.4194, 0.4660



79.5824, 0.1729, 0.2208

Square

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



79.5824, 0.4194, 0.4660



79.5824, 0.2028, 0.3554



79.5824, 0.2033, 0.2027



79.5824, 0.4300, 0.2926

Rectangle

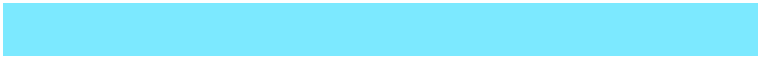
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.5824, 0.4194, 0.4660



79.5824, 0.2903, 0.4660



79.5824, 0.2033, 0.2027



79.5824, 0.3173, 0.2305

Sweetspot

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



79.5834, 0.4194, 0.4660



92.8894, 0.3442, 0.3728



28.3188, 0.5115, 0.3094



19.6850, 0.3489, 0.3791



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.



79.5834, 0.4194, 0.4660



76.7102, 0.4335, 0.4791



83.2803, 0.3611, 0.5105



20.6544, 0.3272, 0.3494



38.3168, 0.4449, 0.4849



3.8401, 0.4415, 0.4876

Inverse Universe

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



19.1211, 0.1864, 0.1341



13.0161, 0.1671, 0.0995



19.3174, 0.2207, 0.1299



17.7670, 0.2979, 0.3077



4.4863, 0.1528, 0.0700



0.5513, 0.1572, 0.0858

Previews

White Background



This preview shows how the Yxy color 79.5824, 0.4194, 0.4660 looks on a white background.

Color Contrast Check

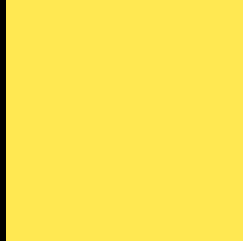
Large Text (above 18pt) WCAG AA × Fail

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 79.5824, 0.4194, 0.4660 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 79.5824, 0.4194, 0.4660

Background



This preview shows how black text looks on a background with the Yxy color 79.5824, 0.4194, 0.4660.



This preview shows how white text looks on a background with the Yxy color 79.5824, 0.4194, 0.4660.

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

79.5824, 0.4194, 0.4660

Protanopia

79.5595, 0.4065, 0.4449

Deuteranopia

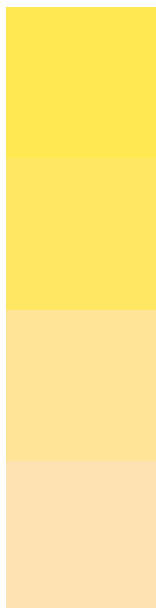
79.3704, 0.3581, 0.3657



Tritanopia

79.3857, 0.3289, 0.3181

Trichromacy



Original Color

79.5824, 0.4194, 0.4660

Protanomaly

79.3319, 0.4121, 0.4533

Deuteranomaly

78.9812, 0.3841, 0.4068

Tritanomaly

78.8671, 0.3665, 0.3780

Monochromacy



Original Color

79.5824, 0.4194, 0.4660

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.8254, 0.3554, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5824, 0.4194, 0.4660 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, 232, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 82)  
}
```

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, 232, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 82) }
```

Border

The CSS property to change the border of an element to Yxy 79.5824, 0.4194, 0.4660 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, 232, 82) }
```

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

```
.border{ border-color:rgb(255, 232, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5824, 0.4194, 0.4660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 82) }
```

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

```
.background{ background-color: rgb(255,  
232, 82) }
```

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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