

Converting Colors

$Y_{xy}(100.0000, 0.4559, 0.4684)$

Have a look what the booklet for
Yxy(100.0000, 0.4559, 0.4684)
contains.

Yxy(88.5480, 0.4204, 0.4950)	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(88.5480, 0.4204, 0.4950)

Conversions

Conversions Part 1

Format	Color
Hex	FFF828
RGB	255, 248, 40
RGB Percent	100%, 97%, 16%
CMY	0.0000, 0.0275, 0.8432
CMYK	0.00, 0.03, 0.84, 0.00
HSL	58°, 100%, 58%
HSV	58°, 84%, 100%
XYZ	75.2032, 88.5480, 15.1337
YIQ	226.3810, 70.9400, -63.2040

Conversions

Conversions Part 2

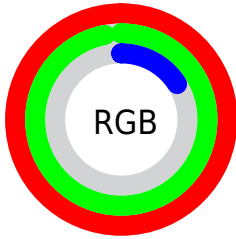
Format	Color
R_{YB}	47, 255, 40
Decimal	16775208
CIE _{Lab}	95.39, -17.68, 88.45
CIE _{LCh}	95, 90.204, 101.303
Yxy	88.5480, 0.4204, 0.4950
Android (android.graphics.Color)	4294965288 (0xFFFFF828)
YUV	226.3810, -91.8858, 25.0989
Hunter-Lab	94.0999, -22.0205, 56.3346

Details

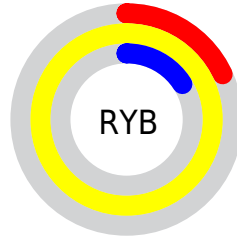
The Yxy color **88.5480, 0.4204, 0.4950** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.7041, 0.1594, 0.0776**, and the grayscale version is **76.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **49.1686, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **87.9133, 0.4240, 0.4995**, and if you desaturate by 10%, it is **89.2897, 0.4141, 0.4863**.

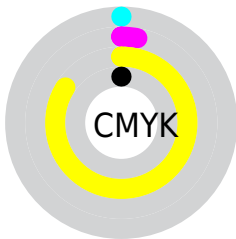
Distribution



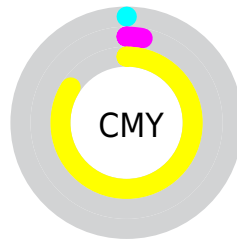
- Red (100%)
- Green (97%)
- Blue (16%)



- Red (18%)
- Yellow (100%)
- Blue (16%)



- Cyan (0%)
- Magenta (3%)
- Yellow (84%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5480, 0.4204, 0.4950 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 88.5480, 0.4204, 0.4950 by changing the saturation by 10% instead.


 88.5480, 0.4204,
0.4950


 88.5480, 0.4204,
0.4950


523.2962, 0.3812,
0.4266

 66.7770, 0.4260,
0.5074


 145.3198, 0.4094,
0.4738


 48.9034, 0.4313,
0.5208


 181.0895, 0.4044,
0.4647

 34.5429, 0.4355,
0.5351


 222.2941, 0.3997,
0.4566

 23.3110, 0.4380,
0.5504

 269.3182, 0.3954,
0.4494

 14.8233, 0.4358,
0.5642

 322.5460, 0.3914,
0.4428

 8.6955, 0.4255,
0.5745


382.3620, 0.3877,


 4.5431, 0.4100,

0.4369


449.1506, 0.3843,
0.4315


0.5900


 1.9818, 0.3844,
0.6156


 0.5968, 0.1852,
0.8148


 88.5480, 0.4204,
0.4950


 88.5480, 0.4204,
0.4950


 87.9133, 0.4240,
0.4995

 89.2897, 0.4141,
0.4863

 87.5914, 0.4252,
0.5006


 90.1720, 0.4050,
0.4731

 91.2059, 0.3936,
0.4558

 92.4053, 0.3802,
0.4353

 93.7821, 0.3655,
0.4124

 95.3473, 0.3500,
0.3881

 97.1110, 0.3344,
0.3635

 99.0826, 0.3191,
0.3392

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.



88.5480, 0.4885, 0.4312



88.5480, 0.4204, 0.4950



88.5480, 0.3304, 0.5171

Triad

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



88.5480, 0.4204, 0.4950



88.5480, 0.1487, 0.2469



88.5480, 0.3688, 0.2374

Complementary

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



88.5480, 0.4204, 0.4950



9.7041, 0.1594, 0.0776

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.



88.5480, 0.2675, 0.1982



88.5480, 0.4204, 0.4950



88.5480, 0.1555, 0.1971

Square

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



88.5480, 0.4204, 0.4950



88.5480, 0.1759, 0.3408



88.5480, 0.1943, 0.1834



88.5480, 0.4652, 0.2947

Rectangle

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



88.5480, 0.4204, 0.4950



88.5480, 0.2689, 0.4855



88.5480, 0.1943, 0.1834



88.5480, 0.3333, 0.2219

Sweetspot

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



88.5433, 0.4204, 0.4950



95.2341, 0.3511, 0.3898



22.9837, 0.6039, 0.3265



20.2626, 0.3566, 0.3984



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.



88.5433, 0.4204, 0.4950



87.5914, 0.4252, 0.5006



78.6085, 0.3474, 0.5506



20.9831, 0.3270, 0.3517



45.8137, 0.4251, 0.5007



4.4913, 0.4244, 0.5012

Inverse Universe

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



9.7041, 0.1594, 0.0776



7.4004, 0.1504, 0.0614



14.3413, 0.2123, 0.1026



17.4725, 0.2978, 0.3052



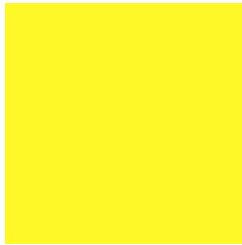
3.9079, 0.1506, 0.0619



0.4124, 0.1518, 0.0666

Previews

White Background



This preview shows how the Yxy color 88.5480, 0.4204, 0.4950 looks on a white background.

Color Contrast Check

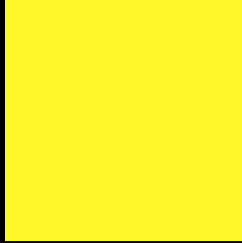
Large Text (above 18pt) WCAG AA × Fail

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 88.5480, 0.4204, 0.4950 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 88.5480, 0.4204, 0.4950

Background



This preview shows how black text looks on a background with the Yxy color 88.5480, 0.4204, 0.4950.



This preview shows how white text looks on a background with the Yxy color 88.5480, 0.4204, 0.4950.

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



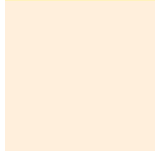
Original Color

88.5480, 0.4204, 0.4950



Protanopia

88.4384, 0.3550, 0.3820



Deuteranopia

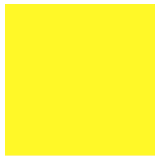
88.1603, 0.3355, 0.3479



Tritanopia

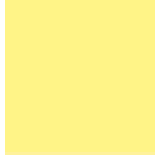
88.4209, 0.3197, 0.3212

Trichromacy



Original Color

88.5480, 0.4204, 0.4950



Protanomaly

87.7106, 0.3871, 0.4355



Deuteranomaly

87.1308, 0.3763, 0.4155



Tritanomaly

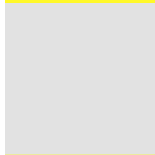
87.0729, 0.3673, 0.4001

Monochromacy



Original Color

88.5480, 0.4204, 0.4950



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.3188, 0.3639, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5480, 0.4204, 0.4950 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, 248, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 40)  
}
```

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, 248, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 40) }
```

Border

The CSS property to change the border of an element to Yxy 88.5480, 0.4204, 0.4950 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, 248, 40) }
```

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

```
.border{ border-color:rgb(255, 248, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 248, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5480, 0.4204, 0.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 40) }
```

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

```
.background{ background-color: rgb(255,  
248, 40) }
```

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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