

Converting Colors

$Y_{xy}(80.1986, 0.4215, 0.4870)$

Have a look what the booklet for
Yxy(80.1986, 0.4215, 0.4870)
contains.

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Color

Yxy(80.1953, 0.4212, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	F8EC34
RGB	248, 236, 52
RGB Percent	97%, 93%, 20%
CMY	0.0274, 0.0745, 0.7959
CMYK	0.00, 0.05, 0.79, 0.03
HSL	56°, 93%, 59%
HSV	56°, 79%, 97%
XYZ	69.3314, 80.1953, 15.0778
YIQ	218.6120, 66.2160, -54.6800

Conversions

Conversions Part 2

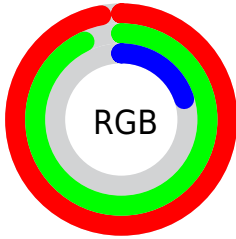
Format	Color
RYB	65, 248, 52
Decimal	16313396
CIELab	91.77, -14.45, 82.34
CIElCh	92, 83.600, 99.950
Yxy	80.1953, 0.4212, 0.4872
Android (android.graphics.Color)	4294503476 (0xFFFF8EC34)
YUV	218.6120, -82.1397, 25.7733
Hunter-Lab	89.5518, -18.5202, 52.7037

Details

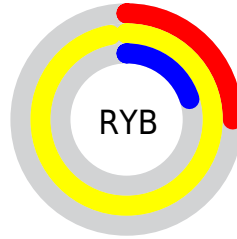
The Yxy color **80.1953, 0.4212, 0.4872** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.1824, 0.1665, 0.0922**, and the grayscale version is **71.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **43.6125, 0.4250, 0.5007** is the 20% darker color. If you saturate the color by 10%, you get **79.1592, 0.4270, 0.4936**, and if you desaturate by 10%, it is **81.3636, 0.4126, 0.4763**.

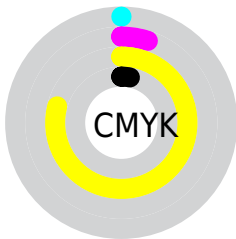
Distribution



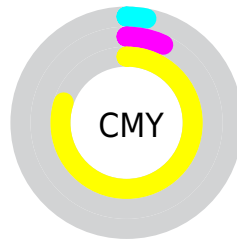
- Red (97%)
- Green (93%)
- Blue (20%)



- Red (25%)
- Yellow (97%)
- Blue (20%)



- Cyan (0%)
- Magenta (5%)
- Yellow (79%)
- Black (3%)





- Cyan (3%)
- Magenta (7%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1953, 0.4212, 0.4872 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 80.1953, 0.4212, 0.4872 by changing the saturation by 10% instead.


 80.1953, 0.4212,
0.4872

 80.1953, 0.4212,
0.4872


495.5908, 0.3797,
0.4205


 59.8791, 0.4276,
0.4996

 133.6403, 0.4091,
0.4662


 43.3212, 0.4339,
0.5131


 167.5378, 0.4038,
0.4574

 30.1372, 0.4394,
0.5276


 206.7313, 0.3988,
0.4495

 19.9427, 0.4435,
0.5433

 251.6050, 0.3943,
0.4424

 12.3534, 0.4427,
0.5573

 302.5434, 0.3901,
0.4361

 6.9849, 0.4332,
0.5668

359.9309, 0.3863,

 3.4526, 0.4184,

0.4304

0.5816

424.1519, 0.3829,
0.4252

■ 1.3724, 0.3926,
0.6074

■ 0.1962, 0.0000,
1.0000

■ 80.1953, 0.4212,
0.4872

■ 80.1953, 0.4212,
0.4872

■ 79.1592, 0.4270,
0.4936

■ 81.3636, 0.4126,
0.4763


■ 78.2199, 0.4304,
0.4961


■ 82.6690, 0.4015,
0.4611


■ 78.1300, 0.4307,
0.4963

■ 84.1289, 0.3882,
0.4423

■ 85.7551, 0.3734,
0.4208

 87.5585, 0.3578,
0.3976

 89.5488, 0.3419,
0.3737

 91.7350, 0.3263,
0.3499

 94.1257, 0.3113,
0.3268

 95.3546, 0.3086,
0.3239

Harmonies

Analogous

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



80.1953, 0.4846, 0.4261



80.1953, 0.4212, 0.4872



80.1953, 0.3349, 0.5092

Triad

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



80.1953, 0.4212, 0.4872



80.1953, 0.1545, 0.2538



80.1953, 0.3622, 0.2385

Complementary

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



80.1953, 0.4212, 0.4872



11.1824, 0.1665, 0.0922

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.



80.1953, 0.2656, 0.2013



80.1953, 0.4212, 0.4872



80.1953, 0.1596, 0.2032

Square

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



80.1953, 0.4212, 0.4872



80.1953, 0.1830, 0.3457



80.1953, 0.1961, 0.1882



80.1953, 0.4555, 0.2937

Rectangle

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



80.1953, 0.4212, 0.4872



80.1953, 0.2752, 0.4812



80.1953, 0.1961, 0.1882



80.1953, 0.3283, 0.2237

Sweetspot

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



80.1991, 0.4212, 0.4872



94.2957, 0.3499, 0.3858



22.8017, 0.5764, 0.3213



20.0241, 0.3556, 0.3943



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.



80.1991, 0.4212, 0.4872



83.6966, 0.4293, 0.4955



75.1886, 0.3531, 0.5383



19.9977, 0.3270, 0.3510



42.2770, 0.4305, 0.4964



3.9692, 0.4290, 0.4976

Inverse Universe

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



11.1824, 0.1665, 0.0922



8.1154, 0.1527, 0.0666



14.5531, 0.2139, 0.1093



16.8137, 0.2979, 0.3060



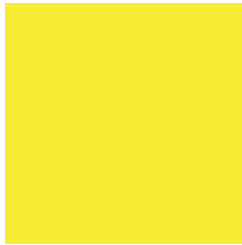
3.9137, 0.1510, 0.0637



0.4205, 0.1535, 0.0727

Previews

White Background



This preview shows how the Yxy color 80.1953, 0.4212, 0.4872 looks on a white background.

Color Contrast Check

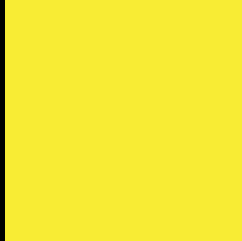
Large Text (above 18pt) WCAG AA × Fail

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 80.1953, 0.4212, 0.4872 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 80.1953, 0.4212, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 80.1953, 0.4212, 0.4872.



This preview shows how white text looks on a background with the Yxy color 80.1953, 0.4212, 0.4872.

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

80.1953, 0.4212, 0.4872

Protanopia

80.2110, 0.4038, 0.4426

Deuteranopia

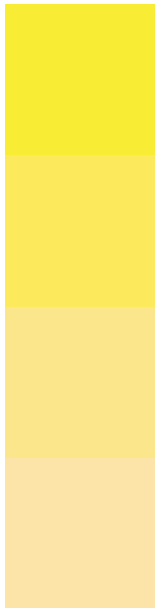
79.9598, 0.3572, 0.3656



Tritanopia

80.0915, 0.3267, 0.3162

Trichromacy



Original Color

80.1953, 0.4212, 0.4872

Protanomaly

79.7460, 0.4123, 0.4617

Deuteranomaly

79.1825, 0.3880, 0.4199

Tritanomaly

79.0468, 0.3698, 0.3895

Monochromacy



Original Color

80.1953, 0.4212, 0.4872

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

73.1420, 0.3614, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1953, 0.4212, 0.4872 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(248, 236, 52)` looks like.

```
.text, #text, p{  
    color:rgb(248, 236, 52)  
}
```

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(248, 236, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 236, 52) }
```

Border

The CSS property to change the border of an element to Yxy 80.1953, 0.4212, 0.4872 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(248, 236, 52) }
```

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

```
.border{ border-color:rgb(248, 236, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 236, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 236, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 236, 52);  
box-shadow:4px 4px 4px 4px rgb(248, 236,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1953, 0.4212, 0.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 236, 52) }
```

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

```
.background{ background-color: rgb(248,  
236, 52) }
```

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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