

Converting Colors

Yxy(80.8714, 0.4129, 0.4965)

Have a look what the booklet for
Yxy(80.8714, 0.4129, 0.4965)
contains.

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Color

Yxy(80.8761, 0.4130, 0.4965)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EFF02F |
| RGB | 239, 240, 47 |
| RGB Percent | 94%, 94%, 18% |
| CMY | 0.0626, 0.0588, 0.8161 |
| CMYK | 0.00, 0.00, 0.80, 0.06 |
| HSL | 60°, 87%, 56% |
| HSV | 60°, 80%, 94% |
| XYZ | 67.2746, 80.8761, 14.7418 |
| YIQ | 217.6990, 61.3570, -60.2350 |

Conversions

Conversions Part 2

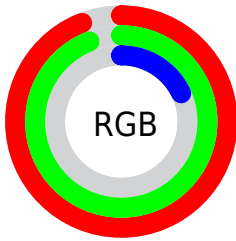
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 47, 240, 48 |
| Decimal | 15724591 |
| CIE _{Lab} | 92.08, -20.25, 83.64 |
| CIE _{LCh} | 92, 86.058, 103.611 |
| Yxy | 80.8761, 0.4130, 0.4965 |
| Android (android.graphics.Color) | 4293914671 (0xFFEFF02F) |
| YUV | 217.6990, -84.1546, 18.6810 |
| Hunter-Lab | 89.9311, -23.8494, 53.2328 |

Details

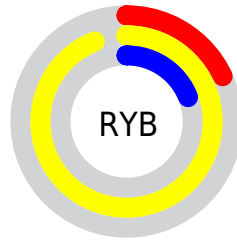
The Yxy color **80.8761, 0.4130, 0.4965** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.9408, 0.1630, 0.0812**, and the grayscale version is **70.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **43.8647, 0.4146, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **80.7159, 0.4168, 0.5030**, and if you desaturate by 10%, it is **81.1501, 0.4065, 0.4856**.

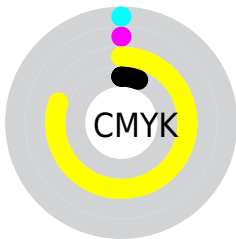
Distribution



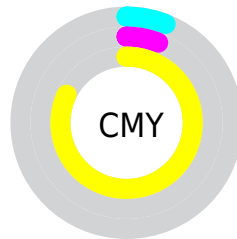
- Red (94%)
- Green (94%)
- Blue (18%)



- Red (18%)
- Yellow (94%)
- Blue (19%)



- Cyan (0%)
- Magenta (0%)
- Yellow (80%)
- Black (6%)





- Cyan (6%)
- Magenta (6%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8761, 0.4130, 0.4965 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 80.8761, 0.4130, 0.4965 by changing the saturation by 10% instead.

 80.8761, 0.4130,
0.4965

 80.8761, 0.4130,
0.4965


497.8805, 0.3758,
0.4250

 60.4396, 0.4183,
0.5100


 134.5968, 0.4025,
0.4738

 43.7730, 0.4233,
0.5249

 168.6497, 0.3978,
0.4643


 30.4921, 0.4269,
0.5411


 208.0102, 0.3933,
0.4558

 20.2124, 0.4289,
0.5592

 253.0627, 0.3892,
0.4483

 12.5495, 0.4246,
0.5754

 304.1916, 0.3854,
0.4415

 7.1191, 0.4111,
0.5889

361.7813, 0.3820,

 3.5367, 0.3903,

0.4354

0.6097

426.2161, 0.3788,
0.4299

■ 1.4179, 0.3538,
0.6462

■ 0.2299, 0.0000,
1.0000

■ 80.8761, 0.4130,
0.4965

■ 80.8761, 0.4130,
0.4965

■ 80.7159, 0.4168,
0.5030


■ 81.1501, 0.4065,
0.4856


■ 80.6344, 0.4184,
0.5060


■ 81.5419, 0.3975,
0.4704


■ 82.0681, 0.3861,
0.4513


■ 82.7398, 0.3729,
0.4293

 83.5671, 0.3585,
0.4052

 84.5590, 0.3434,
0.3801

 85.7241, 0.3282,
0.3548

 87.0702, 0.3134,
0.3301

 88.0858, 0.3038,
0.3142

Harmonies

Analogous

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



80.8761, 0.4823, 0.4357



80.8761, 0.4130, 0.4965



80.8761, 0.3234, 0.5121

Triad

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



80.8761, 0.4130, 0.4965



80.8761, 0.1502, 0.2431



80.8761, 0.3761, 0.2425

Complementary

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



80.8761, 0.4130, 0.4965



8.9408, 0.1630, 0.0812

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.



80.8761, 0.2752, 0.2021



80.8761, 0.4130, 0.4965



80.8761, 0.1593, 0.1968

Square

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



80.8761, 0.4130, 0.4965



80.8761, 0.1745, 0.3324



80.8761, 0.2003, 0.1855



80.8761, 0.4683, 0.3002

Rectangle

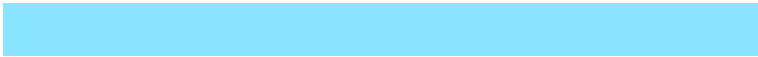
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8761, 0.4130, 0.4965



80.8761, 0.2632, 0.4764



80.8761, 0.2003, 0.1855



80.8761, 0.3411, 0.2267

Sweetspot

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



80.8799, 0.4130, 0.4965



96.6076, 0.3489, 0.3892



20.7540, 0.5953, 0.3298



20.5915, 0.3543, 0.3982



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.



80.8799, 0.4130, 0.4965



92.5609, 0.4180, 0.5053



68.4041, 0.3444, 0.5468



18.4548, 0.3267, 0.3523



44.1424, 0.4184, 0.5059



3.6735, 0.4186, 0.5059

Inverse Universe

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



8.9408, 0.1630, 0.0812



7.4435, 0.1511, 0.0616



14.1952, 0.2233, 0.1126



15.2326, 0.2980, 0.3046



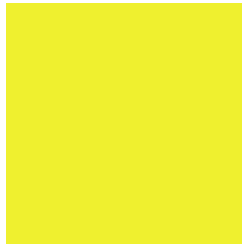
3.4499, 0.1502, 0.0601



0.2883, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 80.8761, 0.4130, 0.4965 looks on a white background.

Color Contrast Check

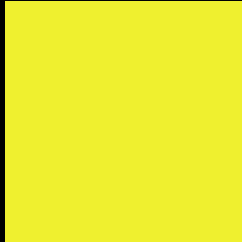
Large Text (above 18pt) WCAG AA × Fail

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 80.8761, 0.4130, 0.4965 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 80.8761, 0.4130, 0.4965

Background



This preview shows how black text looks on a background with the Yxy color 80.8761, 0.4130, 0.4965.



This preview shows how white text looks on a background with the Yxy color 80.8761, 0.4130, 0.4965.

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

80.8761, 0.4130, 0.4965

Protanopia

80.3784, 0.4000, 0.4368

Deuteranopia

80.5971, 0.3556, 0.3646



Tritanopia

80.3862, 0.3234, 0.3113

Trichromacy



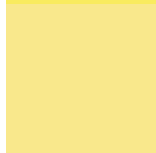
Original Color

80.8761, 0.4130, 0.4965



Protanomaly

80.3826, 0.4075, 0.4624



Deuteranomaly

79.7464, 0.3849, 0.4224



Tritanomaly

79.0806, 0.3666, 0.3899

Monochromacy



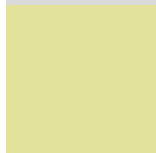
Original Color

80.8761, 0.4130, 0.4965



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.9618, 0.3594, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8761, 0.4130, 0.4965 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(239, 240, 47)` looks like.

```
.text, #text, p{  
    color:rgb(239, 240, 47)  
}
```

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(239, 240, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 240, 47) }
```

Border

The CSS property to change the border of an element to Yxy 80.8761, 0.4130, 0.4965 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(239, 240, 47) }
```

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

```
.border{ border-color:rgb(239, 240, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 240, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 240, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 240, 47);  
box-shadow:4px 4px 4px 4px rgb(239, 240,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8761, 0.4130, 0.4965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 240, 47) }
```

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

```
.background{ background-color: rgb(239,  
240, 47) }
```

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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