

Converting Colors

$Yxy(81.1507, 0.4111, 0.4573)$

Have a look what the booklet for
Yxy(81.1507, 0.4111, 0.4573)
contains.

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Color

Yxy(80.9875, 0.4112, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA62
RGB	255, 234, 98
RGB Percent	100%, 92%, 38%
CMY	0.0000, 0.0823, 0.6155
CMYK	0.00, 0.08, 0.62, 0.00
HSL	52°, 100%, 69%
HSV	52°, 62%, 100%
XYZ	72.8710, 80.9875, 23.3570
YIQ	224.7750, 56.1720, -37.8440

Conversions

Conversions Part 2

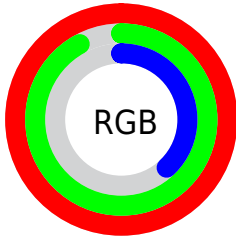
Format	Color
R_{YB}	122, 255, 98
Decimal	16771682
CIE _{Lab}	92.13, -8.44, 66.70
CIE _{LCh}	92, 67.232, 97.209
Yxy	80.9875, 0.4112, 0.4570
Android (android.graphics.Color)	4294961762 (0xFFFFEA62)
YUV	224.7750, -62.5001, 26.5073
Hunter-Lab	89.9931, -12.9492, 47.6069

Details

The Yxy color **80.9875, 0.4112, 0.4570** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.0230, 0.1977, 0.1533**, and the grayscale version is **75.5566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0799, 0.3728, 0.4284**, and **43.9955, 0.4266, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **78.6585, 0.4239, 0.4704**, and if you desaturate by 10%, it is **83.5123, 0.3964, 0.4399**.

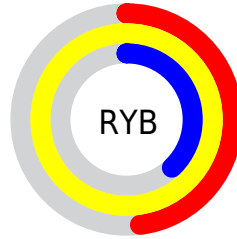
Distribution



Red (100%)

Green (92%)

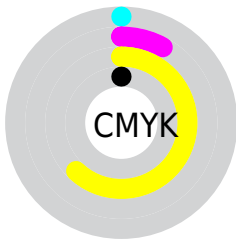
Blue (38%)



Red (48%)

Yellow (100%)

Blue (38%)

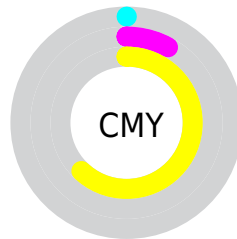


Cyan (0%)

Magenta (8%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9875, 0.4112, 0.4570 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 80.9875, 0.4112, 0.4570 by changing the saturation by 10% instead.

 80.9875, 0.4112,
0.4570


 80.9875, 0.4112,
0.4570


498.2546, 0.3705,
0.4016

 60.5313, 0.4187,
0.4680


 134.7532, 0.3984,
0.4390


 43.8470, 0.4270,
0.4806


 168.8315, 0.3930,
0.4316

 30.5503, 0.4359,
0.4948


 208.2193, 0.3882,
0.4251

 20.2566, 0.4446,
0.5105

 253.3010, 0.3839,
0.4193

 12.5817, 0.4536,
0.5289

304.4610, 0.3801,
0.4142

 7.1412, 0.4563,
0.5437

362.0837, 0.3766,

 3.5505, 0.4480,

0.4095

0.5520

426.5534, 0.3734,
0.4054

■ 1.4255, 0.4336,
0.5664

■ 0.2354, 0.0702,
0.9298

■ 80.9875, 0.4112,
0.4570

■ 80.9875, 0.4112,
0.4570

■ 78.6585, 0.4239,
0.4704

■ 83.5123, 0.3964,
0.4399

■ 76.5024, 0.4341,
0.4794

■ 86.2388, 0.3803,
0.4201


■ 74.5034, 0.4414,
0.4838

■ 89.1814, 0.3635,
0.3985

■ 72.9130, 0.4456,
0.4844

■ 92.3510, 0.3468,
0.3762

 95.7577, 0.3305,
0.3539

 99.4109, 0.3150,
0.3323

100.0000, 0.3127,
0.3290

Harmonies

Analogous

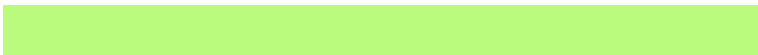
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9875, 0.4580, 0.4094



80.9875, 0.4112, 0.4570



80.9875, 0.3414, 0.4723

Triad

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



80.9875, 0.4112, 0.4570



80.9875, 0.1817, 0.2757



80.9875, 0.3461, 0.2504

Complementary

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



80.9875, 0.4112, 0.4570



23.0230, 0.1977, 0.1533

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.



80.9875, 0.2688, 0.2201



80.9875, 0.4112, 0.4570



80.9875, 0.1828, 0.2285

Square

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



80.9875, 0.4112, 0.4570



80.9875, 0.2105, 0.3519



80.9875, 0.2121, 0.2115



80.9875, 0.4216, 0.2970

Rectangle

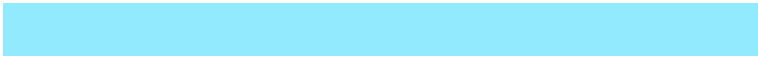
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9875, 0.4112, 0.4570



80.9875, 0.2915, 0.4520



80.9875, 0.2121, 0.2115



80.9875, 0.3191, 0.2381

Sweetspot

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



80.9900, 0.4112, 0.4570



93.5330, 0.3409, 0.3682



31.3989, 0.4802, 0.3071



19.8121, 0.3457, 0.3748



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.



80.9900, 0.4112, 0.4570



78.1149, 0.4267, 0.4730



84.6912, 0.3611, 0.4948



20.6517, 0.3272, 0.3494



38.2596, 0.4451, 0.4848



3.8351, 0.4417, 0.4875

Inverse Universe

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



23.0230, 0.1977, 0.1533



15.9642, 0.1766, 0.1170



22.7342, 0.2288, 0.1463



17.7694, 0.2979, 0.3077



4.4931, 0.1528, 0.0701



0.5525, 0.1572, 0.0859

Previews

White Background



This preview shows how the Yxy color 80.9875, 0.4112, 0.4570 looks on a white background.

Color Contrast Check

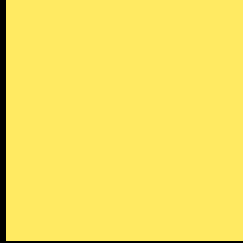
Large Text (above 18pt) WCAG AA × Fail

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 80.9875, 0.4112, 0.4570 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 80.9875, 0.4112, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 80.9875, 0.4112, 0.4570.



This preview shows how white text looks on a background with the Yxy color 80.9875, 0.4112, 0.4570.

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

80.9875, 0.4112, 0.4570

Protanopia

81.1228, 0.3955, 0.4316

Deuteranopia

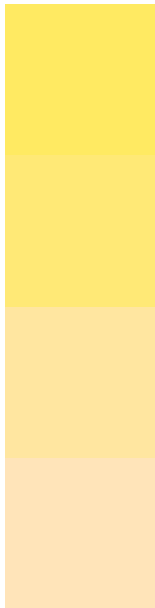
80.7323, 0.3535, 0.3615



Tritanopia

81.1086, 0.3272, 0.3192

Trichromacy



Original Color

80.9875, 0.4112, 0.4570

Protanomaly

80.8458, 0.4017, 0.4409

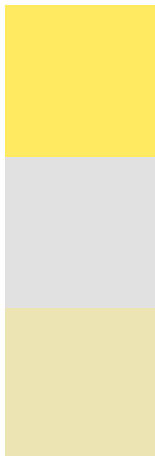
Deuteranomaly

80.3917, 0.3774, 0.3999

Tritanomaly

80.2496, 0.3611, 0.3728

Monochromacy



Original Color

80.9875, 0.4112, 0.4570

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.5743, 0.3510, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9875, 0.4112, 0.4570 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, 234, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 98)  
}
```

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, 234, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 98) }
```

Border

The CSS property to change the border of an element to Yxy 80.9875, 0.4112, 0.4570 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, 234, 98) }
```

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

```
.border{ border-color:rgb(255, 234, 98) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9875, 0.4112, 0.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 98) }
```

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

```
.background{ background-color: rgb(255,  
234, 98) }
```

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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