

Converting Colors

$Y_{xy}(76.5509, 0.4126, 0.4750)$

Have a look what the booklet for
Yxy(76.5509, 0.4126, 0.4750)
contains.

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Color

Yxy(76.5509, 0.4126, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	F2E74C
RGB	242, 231, 76
RGB Percent	95%, 91%, 30%
CMY	0.0511, 0.0941, 0.7018
CMYK	0.00, 0.05, 0.69, 0.05
HSL	56°, 86%, 62%
HSV	56°, 69%, 95%
XYZ	66.4945, 76.5509, 18.1144
YIQ	216.6190, 56.3110, -45.8730

Conversions

Conversions Part 2

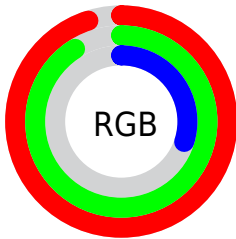
Format	Color
R_{YB}	88, 242, 76
Decimal	15918924
CIE _{Lab}	90.11, -13.52, 72.96
CIE _{LCh}	90, 74.201, 100.501
Yxy	76.5509, 0.4126, 0.4750
Android (android.graphics.Color)	4294109004 (0xFFFF2E74C)
YUV	216.6190, -69.3252, 22.2591
Hunter-Lab	87.4934, -17.4543, 48.9701

Details

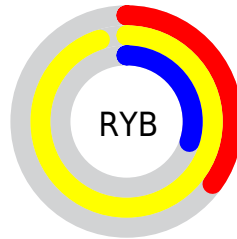
The Yxy color **76.5509, 0.4126, 0.4750** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **14.7650, 0.1825, 0.1202**, and the grayscale version is **69.5712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **40.9958, 0.4252, 0.5006** is the 20% darker color. If you saturate the color by 10%, you get **75.3873, 0.4215, 0.4861**, and if you desaturate by 10%, it is **77.8564, 0.4012, 0.4597**.

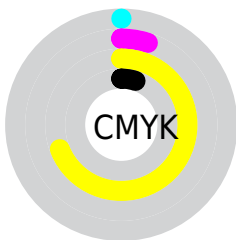
Distribution



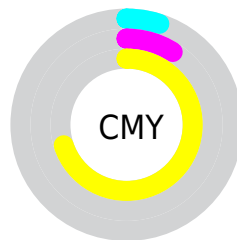
- Red (95%)
- Green (91%)
- Blue (30%)



- Red (35%)
- Yellow (95%)
- Blue (30%)



- Cyan (0%)
- Magenta (5%)
- Yellow (69%)
- Black (5%)





- Cyan (5%)
- Magenta (9%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5509, 0.4126, 0.4750 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 76.5509, 0.4126, 0.4750 by changing the saturation by 10% instead.


 76.5509, 0.4126,
0.4750

 76.5509, 0.4126,
0.4750


483.2314, 0.3726,
0.4114


 56.8844, 0.4194,
0.4875


 128.5053, 0.4005,
0.4544

 40.9124, 0.4265,
0.5016


 161.5620, 0.3952,
0.4459

 28.2506, 0.4334,
0.5173


 199.8509, 0.3904,
0.4384

 18.5147, 0.4388,
0.5341

 243.7563, 0.3861,
0.4318

 11.3201, 0.4444,
0.5556

 293.6626, 0.3822,
0.4258

 6.2826, 0.4348,
0.5652

349.9544, 0.3787,

 3.0177, 0.4198,

0.4205

0.5802

413.0158, 0.3755,
0.4157

■ 1.1410, 0.3915,
0.6085

■ 0.0127, 0.0000,
1.0000

■ 76.5509, 0.4126,
0.4750

■ 76.5509, 0.4126,
0.4750

■ 75.3873, 0.4215,
0.4861

■ 77.8564, 0.4012,
0.4597

■ 74.3397, 0.4276,
0.4927

■ 79.3057, 0.3878,
0.4408


■ 73.3900, 0.4312,
0.4953


■ 80.9137, 0.3728,
0.4193

■ 73.2587, 0.4316,
0.4955

■ 82.6903, 0.3571,
0.3962

 84.6447, 0.3412,
0.3724

 86.7855, 0.3256,
0.3487

 89.1206, 0.3106,
0.3258

 90.6796, 0.3049,
0.3180

 91.6454, 0.3049,
0.3196

Harmonies

Analogous

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



76.5509, 0.4698, 0.4219



76.5509, 0.4126, 0.4750



76.5509, 0.3335, 0.4900

Triad

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



76.5509, 0.4126, 0.4750



76.5509, 0.1669, 0.2607



76.5509, 0.3596, 0.2469

Complementary

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



76.5509, 0.4126, 0.4750



14.7650, 0.1825, 0.1202

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.



76.5509, 0.2718, 0.2118



76.5509, 0.4126, 0.4750



76.5509, 0.1718, 0.2137

Square

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



76.5509, 0.4126, 0.4750



76.5509, 0.1937, 0.3433



76.5509, 0.2067, 0.1993



76.5509, 0.4428, 0.2988

Rectangle

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



76.5509, 0.4126, 0.4750



76.5509, 0.2787, 0.4629



76.5509, 0.2067, 0.1993



76.5509, 0.3291, 0.2330

Sweetspot

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



76.5545, 0.4126, 0.4750



94.7805, 0.3452, 0.3783



24.7375, 0.5293, 0.3200



20.1551, 0.3496, 0.3849



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.



76.5545, 0.4126, 0.4750



84.4726, 0.4240, 0.4890



72.5692, 0.3535, 0.5167



18.2696, 0.3270, 0.3508



39.4424, 0.4314, 0.4957



3.3347, 0.4296, 0.4971

Inverse Universe

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



14.7650, 0.1825, 0.1202



11.0012, 0.1630, 0.0863



17.8744, 0.2291, 0.1329



15.3964, 0.2979, 0.3062



3.7102, 0.1512, 0.0641



0.3670, 0.1541, 0.0748

Previews

White Background



This preview shows how the Yxy color 76.5509, 0.4126, 0.4750 looks on a white background.

Color Contrast Check

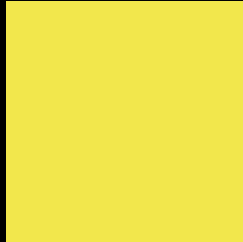
Large Text (above 18pt) WCAG AA × Fail

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 76.5509, 0.4126, 0.4750 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 76.5509, 0.4126, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 76.5509, 0.4126, 0.4750.



This preview shows how white text looks on a background with the Yxy color 76.5509, 0.4126, 0.4750.

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

76.5509, 0.4126, 0.4750

Protanopia

76.5170, 0.4248, 0.4669

Deuteranopia

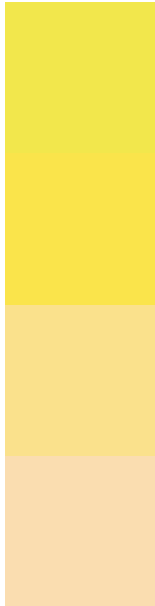
76.1472, 0.3687, 0.3742



Tritanopia

76.2549, 0.3295, 0.3121

Trichromacy



Original Color

76.5509, 0.4126, 0.4750

Protanomaly

76.3188, 0.4211, 0.4695

Deuteranomaly

76.0679, 0.3886, 0.4159

Tritanomaly

75.1715, 0.3656, 0.3758

Monochromacy



Original Color

76.5509, 0.4126, 0.4750

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.1645, 0.3538, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5509, 0.4126, 0.4750 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(242, 231, 76)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 76)  
}
```

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(242, 231, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 76) }
```

Border

The CSS property to change the border of an element to Yxy 76.5509, 0.4126, 0.4750 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(242, 231, 76) }
```

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

```
.border{ border-color:rgb(242, 231, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 231, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 76);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5509, 0.4126, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 76) }
```

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

```
.background{ background-color: rgb(242,  
231, 76) }
```

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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