

Converting Colors

$Y_{xy}(76.9264, 0.4317, 0.4954)$

Have a look what the booklet for
Yxy(76.9264, 0.4317, 0.4954)
contains.

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Color

Yxy(76.9260, 0.4313, 0.4957)

Conversions

Conversions Part 1

Format	Color
Hex	F7E700
RGB	247, 231, 0
RGB Percent	97%, 91%, 0%
CMY	0.0314, 0.0941, 0.9988
CMYK	0.00, 0.06, 1.00, 0.03
HSL	56°, 100%, 48%
HSV	56°, 100%, 97%
XYZ	66.9320, 76.9260, 11.3286
YIQ	209.4500, 83.6870, -68.4490

Conversions

Conversions Part 2

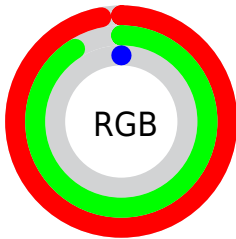
Format	Color
R_{YB}	17, 247, 0
Decimal	16246528
CIE _{Lab}	90.29, -13.30, 89.19
CIE _{LCh}	90, 90.174, 98.480
Yxy	76.9260, 0.4313, 0.4957
Android (android.graphics.Color)	4294436608 (0xFFFF7E700)
YUV	209.4500, -103.2588, 32.9314
Hunter-Lab	87.7075, -17.2698, 53.7371

Details

The Yxy color **76.9260, 0.4313, 0.4957** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **7.0960, 0.1509, 0.0631**, and the grayscale version is **64.7428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **41.4898, 0.4290, 0.4976** is the 20% darker color. If you saturate the color by 10%, you get **76.9175, 0.4313, 0.4957**, and if you desaturate by 10%, it is **77.8990, 0.4280, 0.4935**.

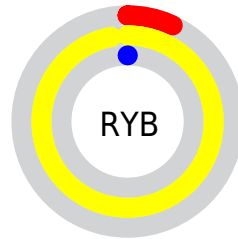
Distribution



Red (97%)

Green (91%)

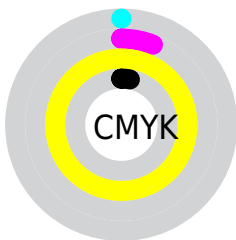
Blue (0%)



Red (7%)

Yellow (97%)

Blue (0%)

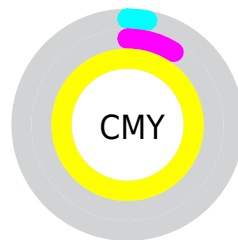


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9260, 0.4313, 0.4957 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 76.9260, 0.4313, 0.4957 by changing the saturation by 10% instead.


 76.9260, 0.4313,
0.4957


 76.9260, 0.4313,
0.4957


484.5117, 0.3871,
0.4271

 57.1921, 0.4376,
0.5076

 129.0350, 0.4189,
0.4747

 41.1595, 0.4433,
0.5203

 162.1790, 0.4132,
0.4657


 28.4438, 0.4476,
0.5330


 200.5617, 0.4079,
0.4575

 18.6604, 0.4517,
0.5483

 244.5677, 0.4030,
0.4502

 11.4252, 0.4452,
0.5548

 294.5813, 0.3985,
0.4435

 6.3536, 0.4359,
0.5641

 350.9869, 0.3944,

 3.0612, 0.4213,

0.4375

0.5787

414.1689, 0.3906,
0.4321

■ 1.1638, 0.3944,
0.6056

■ 0.0318, 0.0000,
1.0000

■ 76.9260, 0.4313,
0.4957

■ 76.9260, 0.4313,
0.4957

■ 76.9175, 0.4313,
0.4957

■ 77.8990, 0.4280,
0.4935

■ 78.9645, 0.4223,
0.4875

■ 80.1529, 0.4138,
0.4769

■ 81.4803, 0.4028,
0.4621

■ 82.9605, 0.3896,
0.4437

■ 84.6053, 0.3749,
0.4224

■ 86.4256, 0.3592,
0.3994

■ 88.4309, 0.3433,
0.3756

■ 90.6305, 0.3276,
0.3518

Harmonies

Analogous

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



76.9260, 0.4996, 0.4264



76.9260, 0.4313, 0.4957



76.9260, 0.3389, 0.5276

Triad

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



76.9260, 0.4313, 0.4957



76.9260, 0.1438, 0.2499



76.9260, 0.3606, 0.2291

Complementary

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



76.9260, 0.4313, 0.4957



7.0960, 0.1509, 0.0631

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.



76.9260, 0.2566, 0.1909



76.9260, 0.4313, 0.4957



76.9260, 0.1479, 0.1948

Square

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



76.9260, 0.4313, 0.4957



76.9260, 0.1748, 0.3521



76.9260, 0.1845, 0.1781



76.9260, 0.4645, 0.2866

Rectangle

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



76.9260, 0.4313, 0.4957



76.9260, 0.2747, 0.5015



76.9260, 0.1845, 0.1781



76.9260, 0.3236, 0.2138

Sweetspot

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



76.9297, 0.4313, 0.4957



92.8934, 0.3595, 0.3998



19.8185, 0.6347, 0.3271



19.7013, 0.3662, 0.4097



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.



76.9297, 0.4313, 0.4957



82.6901, 0.4314, 0.4957



72.0986, 0.3450, 0.5642



19.1189, 0.3270, 0.3509



40.7655, 0.4311, 0.4959



3.6374, 0.4295, 0.4972

Inverse Universe

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



7.0960, 0.1509, 0.0631



7.6061, 0.1508, 0.0629



9.8601, 0.1884, 0.0812



16.0989, 0.2979, 0.3061



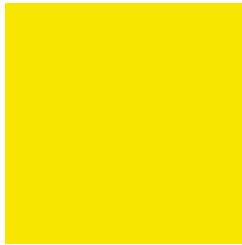
3.8159, 0.1511, 0.0640



0.3946, 0.1539, 0.0739

Previews

White Background



This preview shows how the Yxy color 76.9260, 0.4313, 0.4957 looks on a white background.

Color Contrast Check

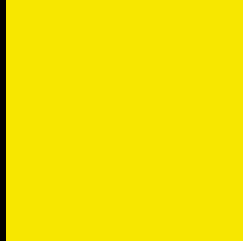
Large Text (above 18pt) WCAG AA × Fail

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 76.9260, 0.4313, 0.4957 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 76.9260, 0.4313, 0.4957

Background



This preview shows how black text looks on a background with the Yxy color 76.9260, 0.4313, 0.4957.



This preview shows how white text looks on a background with the Yxy color 76.9260, 0.4313, 0.4957.

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

76.9260, 0.4313, 0.4957

Protanopia

77.0422, 0.4308, 0.4761

Deuteranopia

76.6371, 0.3691, 0.3762



Tritanopia

76.6552, 0.3308, 0.3151

Trichromacy



Original Color

76.9260, 0.4313, 0.4957

Protanomaly

76.8614, 0.4328, 0.4857

Deuteranomaly

75.7157, 0.4070, 0.4403

Tritanomaly

75.0446, 0.3869, 0.4059

Monochromacy



Original Color

76.9260, 0.4313, 0.4957

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

67.0071, 0.3753, 0.4228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9260, 0.4313, 0.4957 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(247, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 0)  
}
```

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(247, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.9260, 0.4313, 0.4957 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(247, 231, 0) }
```

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

```
.border{ border-color:rgb(247, 231, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 231, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9260, 0.4313, 0.4957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 0) }
```

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

```
.background{ background-color: rgb(247,  
231, 0) }
```

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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