

Converting Colors

$Y_{xy}(100.0000, 0.4860, 0.4355)$

Have a look what the booklet for
Yxy(100.0000, 0.4860, 0.4355)
contains.

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Color

Yxy(78.7596, 0.4272, 0.4759)

Conversions

Conversions Part 1

Format	Color
Hex	FFE73E
RGB	255, 231, 62
RGB Percent	100%, 91%, 24%
CMY	0.0000, 0.0942, 0.7567
CMYK	0.00, 0.09, 0.76, 0.00
HSL	53°, 100%, 62%
HSV	53°, 76%, 100%
XYZ	70.6999, 78.7596, 16.0366
YIQ	218.9100, 68.5530, -47.4710

Conversions

Conversions Part 2

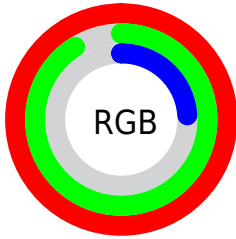
Format	Color
R _Y B	89, 255, 62
Decimal	16770878
CIE Lab	91.13, -8.71, 79.08
CIE LCh	91, 79.557, 96.288
Yxy	78.7596, 0.4272, 0.4759
Android (android.graphics.Color)	4294960958 (0xFFFFE73E)
YUV	218.9100, -77.3566, 31.6509
Hunter-Lab	88.7466, -13.1046, 51.4089

Details

The Yxy color **78.7596, 0.4272, 0.4759** 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 **14.9072, 0.1737, 0.1108**, and the grayscale version is **71.2810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1851, 0.3889, 0.4549**, and **42.5200, 0.4366, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **76.7762, 0.4358, 0.4831**, and if you desaturate by 10%, it is **80.8947, 0.4157, 0.4642**.

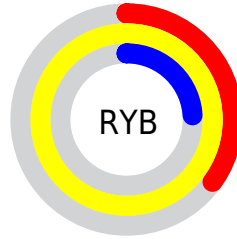
Distribution



Red (100%)

Green (91%)

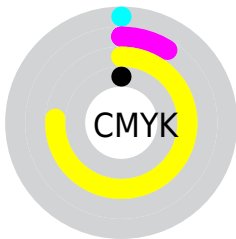
Blue (24%)



Red (35%)

Yellow (100%)

Blue (24%)

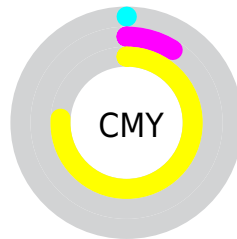


Cyan (0%)

Magenta (9%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7596, 0.4272, 0.4759 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 78.7596, 0.4272, 0.4759 by changing the saturation by 10% instead.


 78.7596, 0.4272,
0.4759


 78.7596, 0.4272,
0.4759


490.7427, 0.3818,
0.4143

 58.6982, 0.4348,
0.4872

 131.6204, 0.4136,
0.4566

 42.3702, 0.4426,
0.4996


 165.1885, 0.4076,
0.4484

 29.3913, 0.4500,
0.5128


 204.0277, 0.4023,
0.4411

 19.3770, 0.4564,
0.5264

 248.5223, 0.3974,
0.4346

 11.9430, 0.4604,
0.5396

 299.0567, 0.3929,
0.4288

 6.7049, 0.4545,
0.5455

356.0153, 0.3889,


 3.2782, 0.4455,

0.4235


0.5545

419.7825, 0.3852,
0.4187

 1.2787, 0.4297,
0.5703


 0.1246, 0.0000,
1.0000


 78.7596, 0.4272,
0.4759


 78.7596, 0.4272,
0.4759


 76.7762, 0.4358,
0.4831


 80.8947, 0.4157,
0.4642

 74.9419, 0.4416,
0.4858


 83.2153, 0.4020,
0.4484

 74.1801, 0.4436,
0.4860

 85.7299, 0.3866,
0.4294

 88.4508, 0.3702,
0.4083

 91.3892, 0.3535,
0.3860

 94.5555, 0.3371,
0.3634

 97.9594, 0.3213,
0.3412

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.



78.7596, 0.4834, 0.4160



78.7596, 0.4272, 0.4759



78.7596, 0.3457, 0.5022

Triad

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



78.7596, 0.4272, 0.4759



78.7596, 0.1615, 0.2660



78.7596, 0.3484, 0.2362

Complementary

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



78.7596, 0.4272, 0.4759



14.9072, 0.1737, 0.1108

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.



78.7596, 0.2578, 0.2027



78.7596, 0.4272, 0.4759



78.7596, 0.1624, 0.2119

Square

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



78.7596, 0.4272, 0.4759



78.7596, 0.1938, 0.3583



78.7596, 0.1942, 0.1932



78.7596, 0.4402, 0.2883

Rectangle

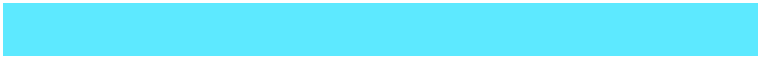
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7596, 0.4272, 0.4759



78.7596, 0.2877, 0.4814



78.7596, 0.1942, 0.1932



78.7596, 0.3162, 0.2226

Sweetspot

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



78.7538, 0.4272, 0.4759



92.2133, 0.3491, 0.3799



25.4091, 0.5463, 0.3104



19.5000, 0.3551, 0.3881



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.



78.7538, 0.4272, 0.4759



75.7831, 0.4393, 0.4851



82.0887, 0.3620, 0.5263



20.6822, 0.3272, 0.3496



38.9125, 0.4431, 0.4864



3.8923, 0.4400, 0.4888

Inverse Universe

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



14.9072, 0.1737, 0.1108



9.8418, 0.1571, 0.0788



15.6376, 0.2084, 0.1108



17.7418, 0.2979, 0.3075



4.4175, 0.1525, 0.0691



0.5395, 0.1567, 0.0842

Previews

White Background



This preview shows how the Yxy color 78.7596, 0.4272, 0.4759 looks on a white background.

Color Contrast Check

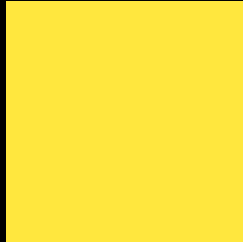
Large Text (above 18pt) WCAG AA × Fail

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 78.7596, 0.4272, 0.4759 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 78.7596, 0.4272, 0.4759

Background



This preview shows how black text looks on a background with the Yxy color 78.7596, 0.4272, 0.4759.



This preview shows how white text looks on a background with the Yxy color 78.7596, 0.4272, 0.4759.

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

78.7596, 0.4272, 0.4759

Protanopia

78.7167, 0.4141, 0.4547

Deuteranopia

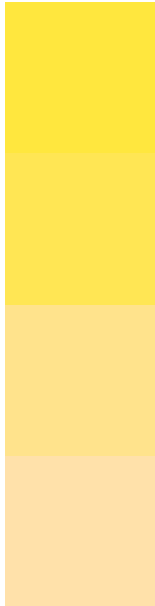
78.6132, 0.3619, 0.3699



Tritanopia

78.7424, 0.3304, 0.3191

Trichromacy



Original Color

78.7596, 0.4272, 0.4759

Protanomaly

78.4937, 0.4199, 0.4633

Deuteranomaly

78.0916, 0.3916, 0.4164

Tritanomaly

78.0127, 0.3724, 0.3852

Monochromacy



Original Color

78.7596, 0.4272, 0.4759

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

72.5398, 0.3608, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7596, 0.4272, 0.4759 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, 231, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 62)  
}
```

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, 231, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 62) }
```

Border

The CSS property to change the border of an element to Yxy 78.7596, 0.4272, 0.4759 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, 231, 62) }
```

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

```
.border{ border-color:rgb(255, 231, 62) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7596, 0.4272, 0.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 62) }
```

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

```
.background{ background-color: rgb(255,  
231, 62) }
```

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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