

Converting Colors

$Yxy(77.0337, 0.4169, 0.5038)$

Have a look what the booklet for
Yxy(77.0337, 0.4169, 0.5038)
contains.

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Color

Yxy(76.9561, 0.4172, 0.5036)

Conversions

Conversions Part 1

Format	Color
Hex	EAEB13
RGB	234, 235, 19
RGB Percent	92%, 92%, 7%
CMY	0.0824, 0.0784, 0.9260
CMYK	0.00, 0.00, 0.92, 0.08
HSL	60°, 85%, 50%
HSV	60°, 92%, 92%
XYZ	63.7531, 76.9561, 12.1027
YIQ	210.0770, 68.7400, -67.3880

Conversions

Conversions Part 2

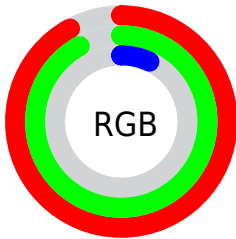
Format	Color
R _Y B	19, 235, 20
Decimal	15395603
CIE Lab	90.30, -20.51, 87.12
CIE LCh	90, 89.499, 103.251
Yxy	76.9561, 0.4172, 0.5036
Android (android.graphics.Color)	4293585683 (0xFFEAEB13)
YUV	210.0770, -94.2010, 20.9805
Hunter-Lab	87.7246, -23.7947, 53.2274

Details

The Yxy color **76.9561, 0.4172, 0.5036** 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 **6.6073, 0.1533, 0.0653**, and the grayscale version is **65.0898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6431, 0.3998, 0.4729**, and **41.6412, 0.4135, 0.5098** is the 20% darker color. If you saturate the color by 10%, you get **76.8980, 0.4185, 0.5059**, and if you desaturate by 10%, it is **77.1018, 0.4137, 0.4977**.

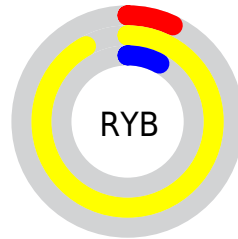
Distribution



Red (92%)

Green (92%)

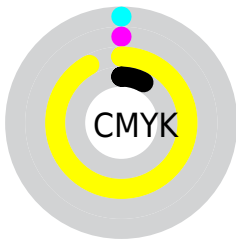
Blue (7%)



Red (7%)

Yellow (92%)

Blue (8%)

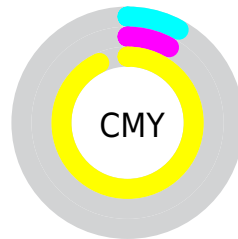


Cyan (0%)

Magenta (0%)

Yellow (92%)

Black (8%)



Cyan (8%)


Magenta (8%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9561, 0.4172, 0.5036 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 76.9561, 0.4172, 0.5036 by changing the saturation by 10% instead.


 76.9561, 0.4172,
0.5036

 76.9561, 0.4172,
0.5036


484.6143, 0.3791,
0.4294

 57.2168, 0.4223,
0.5172


 129.0775, 0.4068,
0.4803


 41.1794, 0.4266,
0.5321


 162.2285, 0.4019,
0.4704


 28.4593, 0.4292,
0.5478


 200.6188, 0.3973,
0.4616

 18.6721, 0.4319,
0.5681

 244.6328, 0.3931,
0.4538

 11.4336, 0.4217,
0.5783

 294.6550, 0.3892,
0.4467

 6.3593, 0.4070,
0.5930


 351.0697, 0.3856,


 3.0648, 0.3840,


0.4404


0.6160


414.2614, 0.3822,
0.4346


 1.1656, 0.3335,
0.6665

 0.0334, 0.0000,
1.0000


 76.9561, 0.4172,
0.5036


 76.9561, 0.4172,
0.5036

 76.8980, 0.4185,
0.5059

 77.1018, 0.4137,
0.4977


 77.3427, 0.4077,
0.4874


 77.6972, 0.3990,
0.4728


 78.1779, 0.3879,
0.4543

 78.7957, 0.3750,
0.4326

 79.5600, 0.3607,
0.4088

 80.4798, 0.3457,
0.3838

 81.5631, 0.3305,
0.3586

 82.8175, 0.3156,
0.3338

Harmonies

Analogous

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



76.9561, 0.4903, 0.4377



76.9561, 0.4172, 0.5036



76.9561, 0.3236, 0.5239

Triad

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



76.9561, 0.4172, 0.5036



76.9561, 0.1432, 0.2388



76.9561, 0.3780, 0.2378

Complementary

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



76.9561, 0.4172, 0.5036



6.6073, 0.1533, 0.0653

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.



76.9561, 0.2717, 0.1961



76.9561, 0.4172, 0.5036



76.9561, 0.1524, 0.1908

Square

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



76.9561, 0.4172, 0.5036



76.9561, 0.1682, 0.3331



76.9561, 0.1942, 0.1792



76.9561, 0.4762, 0.2972

Rectangle

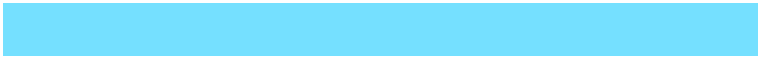
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9561, 0.4172, 0.5036



76.9561, 0.2606, 0.4873



76.9561, 0.1942, 0.1792



76.9561, 0.3409, 0.2214

Sweetspot

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



76.9597, 0.4172, 0.5036



96.1597, 0.3550, 0.3993



18.1716, 0.6284, 0.3299



20.4853, 0.3614, 0.4100



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.



76.9597, 0.4172, 0.5036



92.5512, 0.4185, 0.5059



63.9768, 0.3399, 0.5638



17.6231, 0.3267, 0.3523



42.7943, 0.4185, 0.5059



3.3616, 0.4186, 0.5058

Inverse Universe

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



6.6073, 0.1533, 0.0653



7.2278, 0.1501, 0.0601



10.9669, 0.2095, 0.0959



14.5524, 0.2980, 0.3046



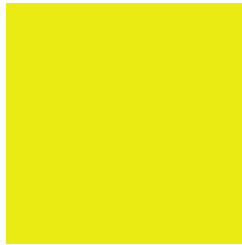
3.3438, 0.1502, 0.0601



0.2638, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 76.9561, 0.4172, 0.5036 looks on a white background.

Color Contrast Check

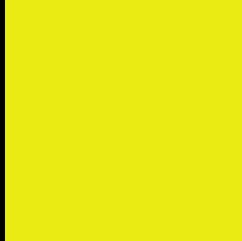
Large Text (above 18pt) WCAG AA × Fail

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 76.9561, 0.4172, 0.5036 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 76.9561, 0.4172, 0.5036

Background



This preview shows how black text looks on a background with the Yxy color 76.9561, 0.4172, 0.5036.



This preview shows how white text looks on a background with the Yxy color 76.9561, 0.4172, 0.5036.

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

76.9561, 0.4172, 0.5036

Protanopia

77.0131, 0.4317, 0.4773

Deuteranopia

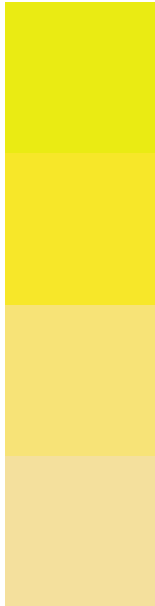
76.6371, 0.3691, 0.3762



Tritanopia

76.5229, 0.3236, 0.3110

Trichromacy



Original Color

76.9561, 0.4172, 0.5036

Protanomaly

77.0861, 0.4266, 0.4884

Deuteranomaly

76.0442, 0.3982, 0.4378

Tritanomaly

74.9787, 0.3732, 0.3994

Monochromacy



Original Color

76.9561, 0.4172, 0.5036

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

67.6166, 0.3667, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9561, 0.4172, 0.5036 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(234, 235, 19)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 19)  
}
```

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(234, 235, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 19) }
```

Border

The CSS property to change the border of an element to Yxy 76.9561, 0.4172, 0.5036 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(234, 235, 19) }
```

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

```
.border{ border-color:rgb(234, 235, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 235, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 19);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9561, 0.4172, 0.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 19) }
```

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

```
.background{ background-color: rgb(234,  
235, 19) }
```

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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