

Converting Colors

Yxy(89.6768, 0.4218, 0.5008)

Have a look what the booklet for
Yxy(89.6768, 0.4218, 0.5008)
contains.

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Color

Yxy(89.6717, 0.4218, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA11
RGB	255, 250, 17
RGB Percent	100%, 98%, 7%
CMY	0.0000, 0.0196, 0.9331
CMYK	0.00, 0.02, 0.93, 0.00
HSL	59°, 100%, 53%
HSV	59°, 93%, 100%
XYZ	75.5262, 89.6717, 13.8590
YIQ	224.9330, 77.7730, -71.4030

Conversions

Conversions Part 2

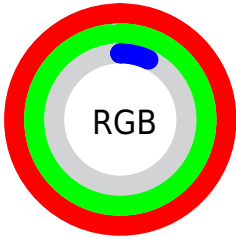
Format	Color
R _Y B	22, 255, 17
Decimal	16775697
CIE Lab	95.86, -19.04, 92.26
CIE LCh	96, 94.202, 101.662
Yxy	89.6717, 0.4218, 0.5008
Android (android.graphics.Color)	4294965777 (0xFFFFFA11)
YUV	224.9330, -102.5110, 26.3688
Hunter-Lab	94.6951, -23.3499, 57.6093

Details

The Yxy color **89.6717, 0.4218, 0.5008** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **7.9147, 0.1527, 0.0651**, and the grayscale version is **75.9605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **50.0529, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **89.4133, 0.4231, 0.5023**, and if you desaturate by 10%, it is **90.1392, 0.4182, 0.4958**.

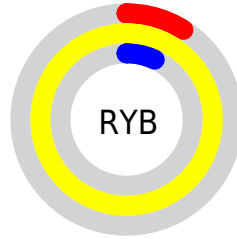
Distribution



Red (100%)

Green (98%)

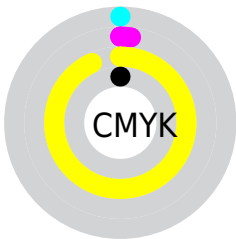
Blue (7%)



Red (9%)

Yellow (100%)

Blue (7%)

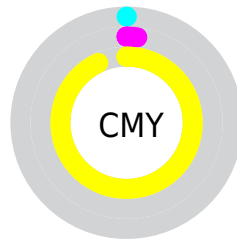


Cyan (0%)

Magenta (2%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (2%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6717, 0.4218, 0.5008 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 89.6717, 0.4218, 0.5008 by changing the saturation by 10% instead.


 89.6717, 0.4218,
0.5008


 89.6717, 0.4218,
0.5008


526.9623, 0.3831,
0.4307


 67.7084, 0.4270,
0.5132

 146.8823, 0.4113,
0.4793

 49.6605, 0.4317,
0.5266


 182.8983, 0.4063,
0.4700


 35.1437, 0.4350,
0.5405


 224.3674, 0.4017,
0.4617

 23.7736, 0.4371,
0.5563

 271.6740, 0.3974,
0.4543

 15.1658, 0.4322,
0.5678

 325.2023, 0.3934,
0.4475

 8.9358, 0.4212,
0.5788

385.3369, 0.3897,

 4.6993, 0.4048,

0.4414

0.5952

452.4621, 0.3863,
0.4358

■ 2.0720, 0.3779,
0.6221

■ 0.6488, 0.1896,
0.8104

■ 89.6717, 0.4218,
0.5008

■ 89.6717, 0.4218,
0.5008


■ 89.4133, 0.4231,
0.5023


■ 90.1392, 0.4182,
0.4958


■ 90.7197, 0.4119,
0.4865


■ 91.4365, 0.4030,
0.4728


■ 92.3050, 0.3916,
0.4551

 93.3389, 0.3783,
0.4341

 94.5501, 0.3637,
0.4108

 95.9494, 0.3483,
0.3863

 97.5468, 0.3328,
0.3614

 99.3516, 0.3176,
0.3369

Harmonies

Analogous

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



89.6717, 0.4932, 0.4339



89.6717, 0.4218, 0.5008



89.6717, 0.3287, 0.5249

Triad

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



89.6717, 0.4218, 0.5008



89.6717, 0.1436, 0.2425



89.6717, 0.3721, 0.2350

Complementary

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



89.6717, 0.4218, 0.5008



7.9147, 0.1527, 0.0651

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.



89.6717, 0.2667, 0.1946



89.6717, 0.4218, 0.5008



89.6717, 0.1511, 0.1923

Square

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



89.6717, 0.4218, 0.5008



89.6717, 0.1706, 0.3393



89.6717, 0.1911, 0.1790



89.6717, 0.4721, 0.2938

Rectangle

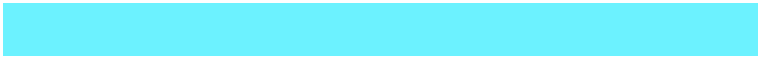
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.6717, 0.4218, 0.5008



89.6717, 0.2654, 0.4919



89.6717, 0.1911, 0.1790



89.6717, 0.3351, 0.2190

Sweetspot

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



89.6759, 0.4218, 0.5008



95.2725, 0.3556, 0.3979



21.7319, 0.6280, 0.3279



20.2663, 0.3622, 0.4084



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.



89.6759, 0.4218, 0.5008



89.4162, 0.4231, 0.5023



77.4836, 0.3436, 0.5622



21.0215, 0.3270, 0.3520



46.7515, 0.4230, 0.5023



4.5720, 0.4226, 0.5027

Inverse Universe

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



7.9147, 0.1527, 0.0651



7.3361, 0.1503, 0.0609



12.2186, 0.2014, 0.0906



17.4387, 0.2978, 0.3049



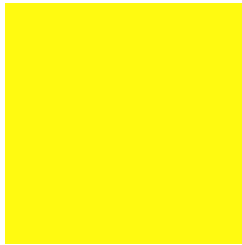
3.8596, 0.1504, 0.0612



0.3963, 0.1512, 0.0642

Previews

White Background



This preview shows how the Yxy color 89.6717, 0.4218, 0.5008 looks on a white background.

Color Contrast Check

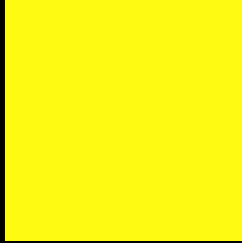
Large Text (above 18pt) WCAG AA × Fail

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 89.6717, 0.4218, 0.5008 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 89.6717, 0.4218, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 89.6717, 0.4218, 0.5008.



This preview shows how white text looks on a background with the Yxy color 89.6717, 0.4218, 0.5008.

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



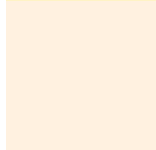
Original Color

89.6717, 0.4218, 0.5008



Protanopia

89.3924, 0.3496, 0.3749



Deuteranopia

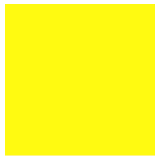
89.5524, 0.3327, 0.3458



Tritanopia

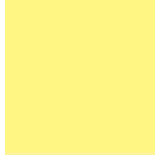
89.6468, 0.3190, 0.3222

Trichromacy



Original Color

89.6717, 0.4218, 0.5008



Protanomaly

88.8375, 0.3878, 0.4397



Deuteranomaly

88.1313, 0.3791, 0.4228



Tritanomaly

88.0055, 0.3711, 0.4087

Monochromacy



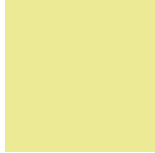
Original Color

89.6717, 0.4218, 0.5008



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.8484, 0.3688, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6717, 0.4218, 0.5008 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, 250, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 17)  
}
```

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, 250, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 17) }
```

Border

The CSS property to change the border of an element to Yxy 89.6717, 0.4218, 0.5008 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, 250, 17) }
```

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

```
.border{ border-color:rgb(255, 250, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6717, 0.4218, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 17) }
```

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

```
.background{ background-color: rgb(255,  
250, 17) }
```

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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