

Converting Colors

$Y_{xy}(91.1078, 0.4212, 0.5038)$

Have a look what the booklet for
Yxy(91.1078, 0.4212, 0.5038)
contains.

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Color

Yxy(90.8808, 0.4214, 0.5036)

Conversions

Conversions Part 1

Format	Color
Hex	FFFC00
RGB	255, 252, 0
RGB Percent	100%, 99%, 0%
CMY	0.0001, 0.0117, 0.9997
CMYK	0.00, 0.01, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	76.0468, 90.8808, 13.5347
YIQ	224.1690, 82.6800, -77.7360

Conversions

Conversions Part 2

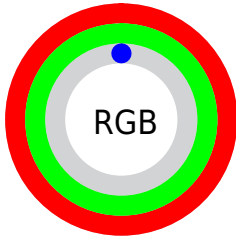
Format	Color
R _Y B	3, 255, 0
Decimal	16776192
CIE Lab	96.36, -20.14, 93.91
CIE LCh	96, 96.046, 102.102
Yxy	90.8808, 0.4214, 0.5036
Android (android.graphics.Color)	4294966272 (0xFFFFFC00)
YUV	224.1690, -110.5153, 27.0388
Hunter-Lab	95.3314, -24.4388, 58.3143

Details

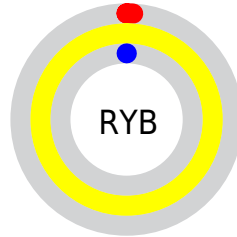
The Yxy color **90.8808, 0.4214, 0.5036** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.2857, 0.1502, 0.0605**, and the grayscale version is **75.4382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **50.8173, 0.4167, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **90.8844, 0.4214, 0.5036**, and if you desaturate by 10%, it is **91.1446, 0.4194, 0.5008**.

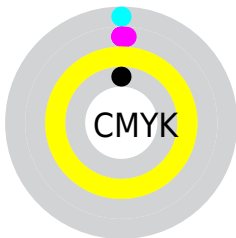
Distribution



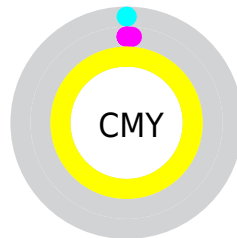
- Red (100%)
- Green (99%)
- Blue (0%)



- Red (1%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8808, 0.4214, 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 90.8808, 0.4214, 0.5036 by changing the saturation by 10% instead.

 90.8808, 0.4214,
0.5036


 90.8808, 0.4214,
0.5036

530.8919, 0.3834,
0.4327


 68.7114, 0.4264,
0.5161

 148.5613, 0.4112,
0.4819


 50.4767, 0.4307,
0.5295


 184.8411, 0.4064,
0.4726


 35.7923, 0.4335,
0.5435


 226.5933, 0.4018,
0.4641

 24.2738, 0.4353,
0.5595

 274.2021, 0.3976,
0.4566

 15.5369, 0.4294,
0.5706

 328.0519, 0.3936,
0.4497

 9.1970, 0.4180,
0.5820


 388.5273, 0.3899,


 4.8699, 0.4010,


0.4435


0.5990


456.0125, 0.3866,
0.4378


 2.1711, 0.3732,
0.6268


 0.7042, 0.2015,
0.7985


 90.8808, 0.4214,
0.5036


 90.8808, 0.4214,
0.5036


 90.8844, 0.4214,
0.5036


 91.1446, 0.4194,
0.5008

 91.4989, 0.4151,
0.4944


 91.9767, 0.4082,
0.4835

 92.5955, 0.3987,
0.4683

 93.3701, 0.3868,
0.4493

 94.3136, 0.3732,
0.4273

 95.4374, 0.3584,
0.4034

 96.7520, 0.3430,
0.3784

 98.2673, 0.3277,
0.3534

Harmonies

Analogous

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



90.8808, 0.4945, 0.4356



90.8808, 0.4214, 0.5036



90.8808, 0.3270, 0.5278

Triad

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



90.8808, 0.4214, 0.5036



90.8808, 0.1416, 0.2401



90.8808, 0.3745, 0.2346

Complementary

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



90.8808, 0.4214, 0.5036



7.2857, 0.1502, 0.0605

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.



90.8808, 0.2674, 0.1935



90.8808, 0.4214, 0.5036



90.8808, 0.1497, 0.1902

Square

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



90.8808, 0.4214, 0.5036



90.8808, 0.1680, 0.3375



90.8808, 0.1905, 0.1774



90.8808, 0.4756, 0.2940

Rectangle

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



90.8808, 0.4214, 0.5036



90.8808, 0.2631, 0.4935



90.8808, 0.1905, 0.1774



90.8808, 0.3370, 0.2184

Sweetspot

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



90.8851, 0.4214, 0.5036



95.4463, 0.3584, 0.4034



21.2683, 0.6389, 0.3293



20.3232, 0.3648, 0.4137



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.



90.8851, 0.4214, 0.5036



90.8962, 0.4214, 0.5036



76.3985, 0.3376, 0.5701



21.0522, 0.3269, 0.3522



47.5119, 0.4214, 0.5036



4.6373, 0.4211, 0.5038

Inverse Universe

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



7.2857, 0.1502, 0.0605



7.2846, 0.1502, 0.0605



11.4524, 0.1972, 0.0860



17.4117, 0.2978, 0.3047



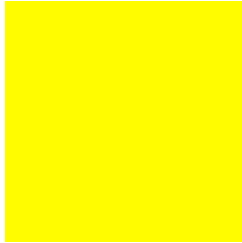
3.8210, 0.1502, 0.0607



0.3835, 0.1507, 0.0624

Previews

White Background



This preview shows how the Yxy color 90.8808, 0.4214, 0.5036 looks on a white background.

Color Contrast Check

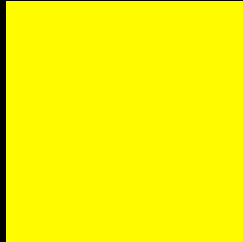
Large Text (above 18pt) WCAG AA × Fail

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 90.8808, 0.4214, 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 90.8808, 0.4214, 0.5036

Background



This preview shows how black text looks on a background with the Yxy color 90.8808, 0.4214, 0.5036.

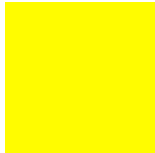


This preview shows how white text looks on a background with the Yxy color 90.8808, 0.4214, 0.5036.

Color Blindness Simulation

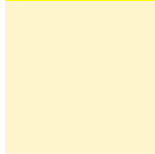
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



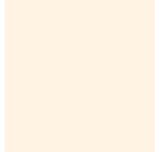
Original Color

90.8808, 0.4214, 0.5036



Protanopia

90.9726, 0.3442, 0.3687



Deuteranopia

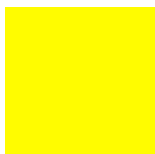
90.9626, 0.3299, 0.3438



Tritanopia

90.8860, 0.3182, 0.3232

Trichromacy



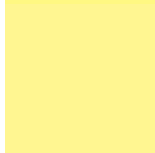
Original Color

90.8808, 0.4214, 0.5036



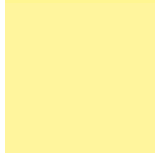
Protanomaly

90.0065, 0.3880, 0.4430



Deuteranomaly

89.2159, 0.3806, 0.4282



Tritanomaly

88.9991, 0.3740, 0.4162

Monochromacy



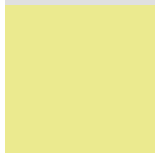
Original Color

90.8808, 0.4214, 0.5036



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.4910, 0.3717, 0.4251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8808, 0.4214, 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(255, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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(255, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 90.8808, 0.4214, 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(255, 252, 0) }
```

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

```
.border{ border-color:rgb(255, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8808, 0.4214, 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(255, 252, 0) }
```

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

```
.background{ background-color: rgb(255,  
252, 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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