

Converting Colors

$Y_{xy}(100.0000, 0.4627, 0.4914)$

Have a look what the booklet for
Yxy(100.0000, 0.4627, 0.4914)
contains.

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Color

Yxy(90.2544, 0.4221, 0.5030)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB00
RGB	255, 251, 0
RGB Percent	100%, 98%, 0%
CMY	0.0000, 0.0157, 0.9984
CMYK	0.00, 0.02, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	75.7383, 90.2544, 13.4395
YIQ	223.5820, 82.9550, -77.2130

Conversions

Conversions Part 2

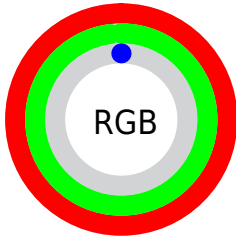
Format	Color
R _Y B	4, 255, 0
Decimal	16775936
CIE Lab	96.10, -19.65, 93.70
CIE LCh	96, 95.738, 101.844
Yxy	90.2544, 0.4221, 0.5030
Android (android.graphics.Color)	4294966016 (0xFFFFFB00)
YUV	223.5820, -110.2259, 27.5536
Hunter-Lab	95.0023, -23.9492, 58.1142

Details

The Yxy color **90.2544, 0.4221, 0.5030** 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 **7.3178, 0.1502, 0.0607**, and the grayscale version is **75.0203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **50.3677, 0.4175, 0.5067** is the 20% darker color. If you saturate the color by 10%, you get **90.2538, 0.4221, 0.5030**, and if you desaturate by 10%, it is **90.5819, 0.4200, 0.5002**.

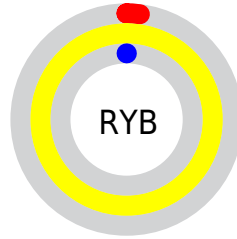
Distribution



Red (100%)

Green (98%)

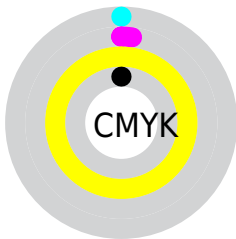
Blue (0%)



Red (2%)

Yellow (100%)

Blue (0%)

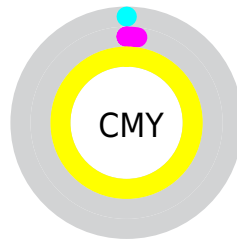


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2544, 0.4221, 0.5030 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 90.2544, 0.4221, 0.5030 by changing the saturation by 10% instead.


 90.2544, 0.4221,
0.5030


 90.2544, 0.4221,
0.5030


528.8581, 0.3837,
0.4323


 68.1917, 0.4272,
0.5154


 147.6917, 0.4118,
0.4814


 50.0537, 0.4316,
0.5288

 183.8351, 0.4069,
0.4721

 35.4560, 0.4345,
0.5426


 225.4408, 0.4023,
0.4637

 24.0144, 0.4365,
0.5586

 272.8932, 0.3980,
0.4561

 15.3443, 0.4306,
0.5694

 326.5767, 0.3940,
0.4493

 9.0614, 0.4193,
0.5807


 386.8758, 0.3903,


 4.7812, 0.4026,

0.4431


0.5974


454.1748, 0.3869,
0.4375


 2.1195, 0.3751,
0.6249


 0.6756, 0.1938,
0.8062


 90.2544, 0.4221,
0.5030


 90.2544, 0.4221,
0.5030


 90.2538, 0.4221,
0.5030


 90.5819, 0.4200,
0.5002


 91.0009, 0.4156,
0.4938


 91.5439, 0.4085,
0.4829

 92.2284, 0.3988,
0.4676

 93.0691, 0.3869,
0.4486

 94.0791, 0.3732,
0.4267

 95.2698, 0.3583,
0.4028

 96.6517, 0.3429,
0.3779

 98.2347, 0.3275,
0.3530

Harmonies

Analogous

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



90.2544, 0.4948, 0.4350



90.2544, 0.4221, 0.5030



90.2544, 0.3279, 0.5278

Triad

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



90.2544, 0.4221, 0.5030



90.2544, 0.1417, 0.2408



90.2544, 0.3735, 0.2342

Complementary

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



90.2544, 0.4221, 0.5030



7.3178, 0.1502, 0.0607

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.



90.2544, 0.2666, 0.1933



90.2544, 0.4221, 0.5030



90.2544, 0.1496, 0.1905

Square

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



90.2544, 0.4221, 0.5030



90.2544, 0.1685, 0.3386



90.2544, 0.1901, 0.1775



90.2544, 0.4748, 0.2935

Rectangle

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



90.2544, 0.4221, 0.5030



90.2544, 0.2640, 0.4940



90.2544, 0.1901, 0.1775



90.2544, 0.3360, 0.2181

Sweetspot

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



90.2586, 0.4221, 0.5030



95.2517, 0.3585, 0.4032



21.2784, 0.6387, 0.3293



20.2757, 0.3649, 0.4134



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.



90.2586, 0.4221, 0.5030



90.2559, 0.4221, 0.5030



76.4202, 0.3377, 0.5700



21.0390, 0.3270, 0.3521



47.1830, 0.4221, 0.5031



4.6091, 0.4217, 0.5033

Inverse Universe

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



7.3178, 0.1502, 0.0607



7.3068, 0.1502, 0.0607



11.4733, 0.1974, 0.0861



17.4233, 0.2978, 0.3048



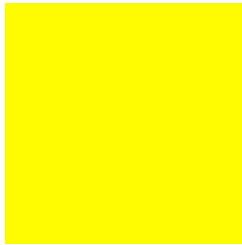
3.8377, 0.1503, 0.0609



0.3890, 0.1509, 0.0632

Previews

White Background



This preview shows how the Yxy color 90.2544, 0.4221, 0.5030 looks on a white background.

Color Contrast Check

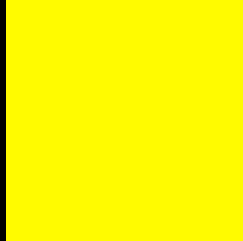
Large Text (above 18pt) WCAG AA × Fail

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 90.2544, 0.4221, 0.5030 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 90.2544, 0.4221, 0.5030

Background



This preview shows how black text looks on a background with the Yxy color 90.2544, 0.4221, 0.5030.

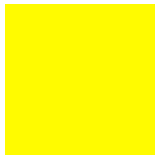


This preview shows how white text looks on a background with the Yxy color 90.2544, 0.4221, 0.5030.

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



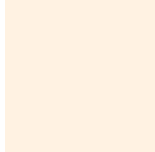
Original Color

90.2544, 0.4221, 0.5030



Protanopia

90.1784, 0.3469, 0.3718



Deuteranopia

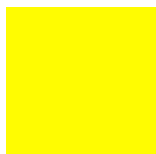
90.2552, 0.3313, 0.3448



Tritanopia

90.2956, 0.3183, 0.3222

Trichromacy



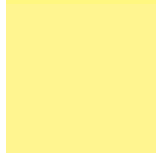
Original Color

90.2544, 0.4221, 0.5030



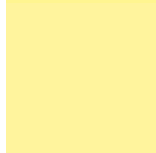
Protanomaly

89.3400, 0.3895, 0.4439



Deuteranomaly

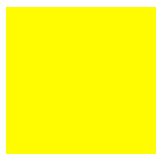
88.5784, 0.3816, 0.4283



Tritanomaly

88.3957, 0.3744, 0.4153

Monochromacy



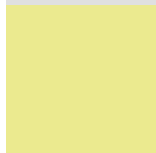
Original Color

90.2544, 0.4221, 0.5030



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 90.2544, 0.4221, 0.5030 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, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 0) }
```

Border

The CSS property to change the border of an element to Yxy 90.2544, 0.4221, 0.5030 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, 251, 0) }
```

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

```
.border{ border-color:rgb(255, 251, 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, 251, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2544, 0.4221, 0.5030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 0) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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