

Converting Colors

$Yxy(90.4435, 0.4202, 0.5002)$

Have a look what the booklet for
Yxy(90.4435, 0.4202, 0.5002)
contains.

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Color

Yxy(90.3245, 0.4204, 0.5002)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB19
RGB	255, 251, 25
RGB Percent	100%, 98%, 10%
CMY	0.0000, 0.0157, 0.9029
CMYK	0.00, 0.02, 0.90, 0.00
HSL	59°, 100%, 55%
HSV	59°, 90%, 100%
XYZ	75.9145, 90.3245, 14.3378
YIQ	226.4320, 74.9300, -69.4380

Conversions

Conversions Part 2

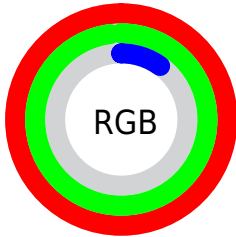
Format	Color
R _Y B	29, 255, 25
Decimal	16775961
CIE Lab	96.13, -19.42, 91.58
CIE LCh	96, 93.615, 101.970
Yxy	90.3245, 0.4204, 0.5002
Android (android.graphics.Color)	4294966041 (0xFFFFFB19)
YUV	226.4320, -99.3060, 25.0541
Hunter-Lab	95.0392, -23.7381, 57.5828

Details

The Yxy color **90.3245, 0.4204, 0.5002** 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 **8.2899, 0.1543, 0.0677**, and the grayscale version is **77.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **50.4995, 0.4184, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **89.9888, 0.4224, 0.5028**, and if you desaturate by 10%, it is **90.7662, 0.4161, 0.4939**.

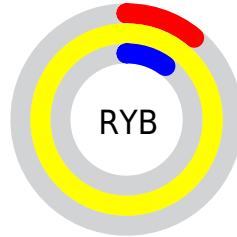
Distribution



Red (100%)

Green (98%)

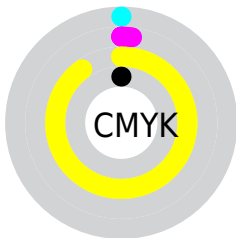
Blue (10%)



Red (11%)

Yellow (100%)

Blue (10%)

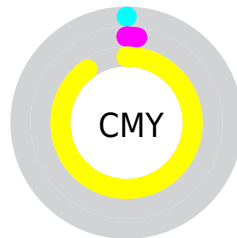


Cyan (0%)

Magenta (2%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (2%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3245, 0.4204, 0.5002 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 90.3245, 0.4204, 0.5002 by changing the saturation by 10% instead.


 90.3245, 0.4204,
0.5002

 90.3245, 0.4204,
0.5002


529.0859, 0.3821,
0.4302

 68.2498, 0.4256,
0.5127


 147.7891, 0.4099,
0.4786


 50.1010, 0.4303,
0.5262


 183.9477, 0.4051,
0.4694

 35.4937, 0.4337,
0.5404


 225.5698, 0.4005,
0.4611

 24.0434, 0.4355,
0.5560

 273.0398, 0.3962,
0.4536

 15.3658, 0.4313,
0.5687

 326.7420, 0.3923,
0.4469

 9.0765, 0.4202,
0.5798


387.0608, 0.3886,


 4.7911, 0.4037,

0.4408

0.5963


454.3806, 0.3853,
0.4352


 2.1252, 0.3766,
0.6234


 0.6788, 0.2014,
0.7986


 90.3245, 0.4204,
0.5002


 90.3245, 0.4204,
0.5002


 89.9888, 0.4224,
0.5028


 90.7662, 0.4161,
0.4939


 91.3296, 0.4091,
0.4833


 92.0338, 0.3995,
0.4682

 92.8939, 0.3876,
0.4494

 93.9228, 0.3739,
0.4276

 95.1319, 0.3590,
0.4038

 96.5321, 0.3436,
0.3790

 98.1329, 0.3282,
0.3540

99.9435, 0.3131,
0.3297

Harmonies

Analogous

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



90.3245, 0.4915, 0.4342



90.3245, 0.4204, 0.5002



90.3245, 0.3278, 0.5229

Triad

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



90.3245, 0.4204, 0.5002



90.3245, 0.1446, 0.2426



90.3245, 0.3728, 0.2362

Complementary

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



90.3245, 0.4204, 0.5002



8.2899, 0.1543, 0.0677

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.



90.3245, 0.2681, 0.1957



90.3245, 0.4204, 0.5002



90.3245, 0.1524, 0.1930

Square

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



90.3245, 0.4204, 0.5002



90.3245, 0.1712, 0.3382



90.3245, 0.1926, 0.1800



90.3245, 0.4715, 0.2948

Rectangle

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



90.3245, 0.4204, 0.5002



90.3245, 0.2650, 0.4894



90.3245, 0.1926, 0.1800



90.3245, 0.3361, 0.2203

Sweetspot

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



90.3260, 0.4204, 0.5002



95.5715, 0.3540, 0.3957



22.0513, 0.6214, 0.3274



20.3588, 0.3592, 0.4041



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.



90.3260, 0.4204, 0.5002



89.9888, 0.4224, 0.5028



77.8432, 0.3450, 0.5588



21.0334, 0.3270, 0.3521



47.0457, 0.4224, 0.5028



4.5973, 0.4220, 0.5031

Inverse Universe

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



8.2899, 0.1543, 0.0677



7.3161, 0.1502, 0.0607



12.8264, 0.2049, 0.0941



17.4282, 0.2978, 0.3048



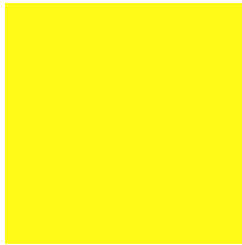
3.8447, 0.1503, 0.0610



0.3913, 0.1510, 0.0635

Previews

White Background



This preview shows how the Yxy color 90.3245, 0.4204, 0.5002 looks on a white background.

Color Contrast Check

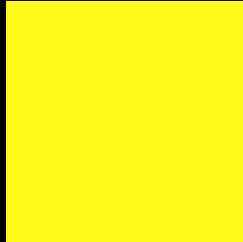
Large Text (above 18pt) WCAG AA × Fail

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 90.3245, 0.4204, 0.5002 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 90.3245, 0.4204, 0.5002

Background



This preview shows how black text looks on a background with the Yxy color 90.3245, 0.4204, 0.5002.



This preview shows how white text looks on a background with the Yxy color 90.3245, 0.4204, 0.5002.

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



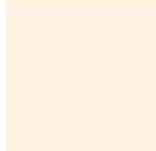
Original Color

90.3245, 0.4204, 0.5002



Protanopia

90.1784, 0.3469, 0.3718



Deuteranopia

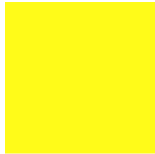
90.2552, 0.3313, 0.3448



Tritanopia

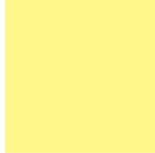
90.2956, 0.3183, 0.3222

Trichromacy



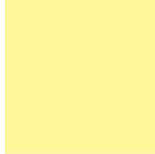
Original Color

90.3245, 0.4204, 0.5002



Protanomaly

89.5877, 0.3847, 0.4362



Deuteranomaly

88.8647, 0.3764, 0.4200



Tritanomaly

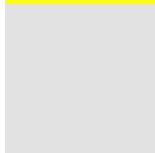
88.7145, 0.3689, 0.4067

Monochromacy



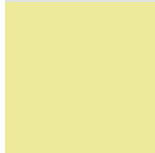
Original Color

90.3245, 0.4204, 0.5002



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.7211, 0.3667, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3245, 0.4204, 0.5002 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 25) }
```

Border

The CSS property to change the border of an element to Yxy 90.3245, 0.4204, 0.5002 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, 25) }
```

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

```
.border{ border-color:rgb(255, 251, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3245, 0.4204, 0.5002 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, 25) }
```

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

```
.background{ background-color: rgb(255,  
251, 25) }
```

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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