

Converting Colors

$Y_{xy}(90.1585, 0.4042, 0.4716)$

Have a look what the booklet for
Yxy(90.1585, 0.4042, 0.4716)
contains.

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Color

Yxy(90.4215, 0.4041, 0.4720)

Conversions

Conversions Part 1

Format	Color
Hex	FFFA5D
RGB	255, 250, 93
RGB Percent	100%, 98%, 36%
CMY	0.0000, 0.0196, 0.6352
CMYK	0.00, 0.02, 0.64, 0.00
HSL	58°, 100%, 68%
HSV	58°, 64%, 100%
XYZ	77.4138, 90.4215, 23.7356
YIQ	233.5970, 53.3770, -47.7670

Conversions

Conversions Part 2

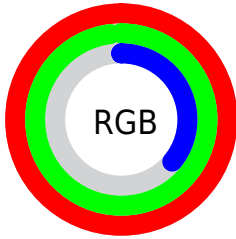
Format	Color
R _Y B	98, 255, 93
Decimal	16775773
CIE Lab	96.17, -16.55, 73.03
CIE LCh	96, 74.884, 102.772
Yxy	90.4215, 0.4041, 0.4720
Android (android.graphics.Color)	4294965853 (0xFFFFFA5D)
YUV	233.5970, -69.3143, 18.7704
Hunter-Lab	95.0902, -21.0894, 51.7637

Details

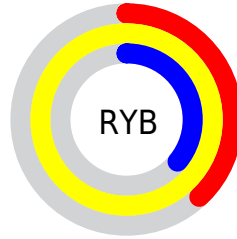
The Yxy color **90.4215, 0.4041, 0.4720** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.2920, 0.1898, 0.1289**, and the grayscale version is **82.4616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9820, 0.3745, 0.4311**, and **50.2744, 0.4163, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **89.5498, 0.4132, 0.4856**, and if you desaturate by 10%, it is **91.4386, 0.3925, 0.4545**.

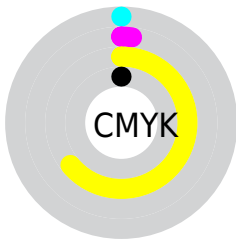
Distribution



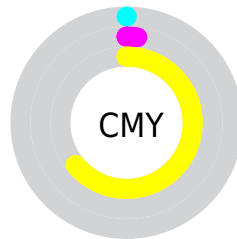
- Red (100%)
- Green (98%)
- Blue (36%)



- Red (38%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4215, 0.4041, 0.4720 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 90.4215, 0.4041, 0.4720 by changing the saturation by 10% instead.


 90.4215, 0.4041,
0.4720


 90.4215, 0.4041,
0.4720

529.4010, 0.3685,
0.4107


 68.3303, 0.4102,
0.4841


 147.9237, 0.3934,
0.4522

 50.1665, 0.4165,
0.4979

 184.1036, 0.3887,
0.4440

 35.5457, 0.4228,
0.5136

 225.7484, 0.3845,
0.4368

 24.0835, 0.4283,
0.5310

 273.2425, 0.3807,
0.4304

 15.3956, 0.4325,
0.5510

326.9705, 0.3772,
0.4246

 9.0975, 0.4304,
0.5696

387.3166, 0.3740,

 4.8048, 0.4165,

0.4195

0.5835

454.6654, 0.3711,
0.4149

■ 2.1332, 0.3936,
0.6064

■ 0.6832, 0.2641,
0.7359

■ 90.4215, 0.4041,
0.4720

■ 90.4215, 0.4041,
0.4720

■ 89.5498, 0.4132,
0.4856

■ 91.4386, 0.3925,
0.4545

■ 88.8187, 0.4197,
0.4947

■ 92.6255, 0.3790,
0.4337

■ 88.2055, 0.4235,
0.4995

■ 93.9906, 0.3642,
0.4106

■ 87.8533, 0.4249,
0.5008

■ 95.5446, 0.3488,
0.3863

97.2978, 0.3332,
0.3616

99.2592, 0.3179,
0.3373

100.0000, 0.3127,
0.3290

Harmonies

Analogous

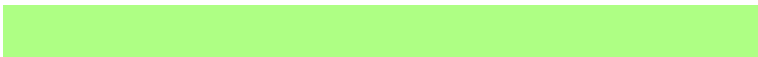
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4215, 0.4608, 0.4238



90.4215, 0.4041, 0.4720



90.4215, 0.3274, 0.4807

Triad

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



90.4215, 0.4041, 0.4720



90.4215, 0.1717, 0.2594



90.4215, 0.3644, 0.2534

Complementary

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



90.4215, 0.4041, 0.4720



18.2920, 0.1898, 0.1289

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.



90.4215, 0.2796, 0.2179



90.4215, 0.4041, 0.4720



90.4215, 0.1785, 0.2162

Square

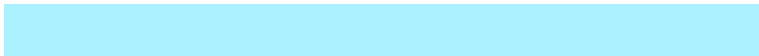
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4215, 0.4041, 0.4720



90.4215, 0.1955, 0.3362



90.4215, 0.2147, 0.2042



90.4215, 0.4417, 0.3047

Rectangle

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



90.4215, 0.4041, 0.4720



90.4215, 0.2750, 0.4513



90.4215, 0.2147, 0.2042



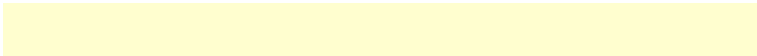
90.4215, 0.3352, 0.2395

Sweetspot

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



90.4179, 0.4041, 0.4720



96.3111, 0.3417, 0.3751



29.9847, 0.5132, 0.3248



20.5096, 0.3462, 0.3822



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.



90.4179, 0.4041, 0.4720



89.3561, 0.4151, 0.4883



81.9443, 0.3492, 0.5072



20.9887, 0.3270, 0.3518



45.9483, 0.4248, 0.5009



4.5029, 0.4241, 0.5014

Inverse Universe

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



18.2920, 0.1898, 0.1289



12.2555, 0.1692, 0.0942



23.4475, 0.2408, 0.1476



17.4677, 0.2978, 0.3052



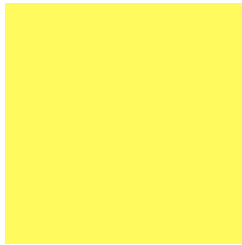
3.9009, 0.1505, 0.0618



0.4101, 0.1517, 0.0662

Previews

White Background



This preview shows how the Yxy color 90.4215, 0.4041, 0.4720 looks on a white background.

Color Contrast Check

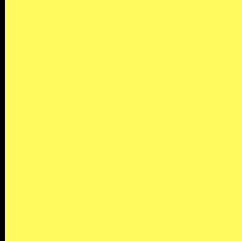
Large Text (above 18pt) WCAG AA × Fail

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 90.4215, 0.4041, 0.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

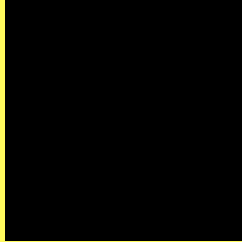
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4215, 0.4041, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 90.4215, 0.4041, 0.4720.



This preview shows how white text looks on a background with the Yxy color 90.4215, 0.4041, 0.4720.

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



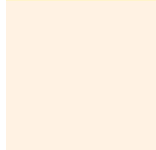
Original Color

90.4215, 0.4041, 0.4720



Protanopia

90.2732, 0.3456, 0.3698



Deuteranopia

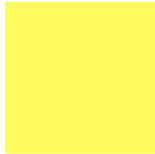
90.3103, 0.3306, 0.3438



Tritanopia

90.2956, 0.3183, 0.3222

Trichromacy



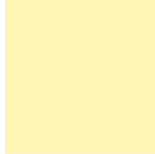
Original Color

90.4215, 0.4041, 0.4720



Protanomaly

89.8159, 0.3701, 0.4113



Deuteranomaly

89.7792, 0.3612, 0.3958



Tritanomaly

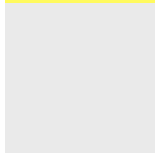
89.7230, 0.3532, 0.3819

Monochromacy



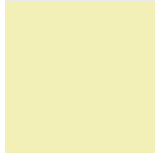
Original Color

90.4215, 0.4041, 0.4720



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.6163, 0.3500, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4215, 0.4041, 0.4720 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 93) }
```

Border

The CSS property to change the border of an element to Yxy 90.4215, 0.4041, 0.4720 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, 93) }
```

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

```
.border{ border-color:rgb(255, 250, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
93) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.4215, 0.4041, 0.4720$ 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, 93) }
```

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

```
.background{ background-color: rgb(255,  
250, 93) }
```

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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