

Converting Colors

$Yxy(91.3887, 0.4178, 0.4987)$

Have a look what the booklet for
Yxy(91.3887, 0.4178, 0.4987)
contains.

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Color

Yxy(91.6379, 0.4176, 0.4990)

Conversions

Conversions Part 1

Format	Color
Hex	FFFD24
RGB	255, 253, 36
RGB Percent	100%, 99%, 14%
CMY	0.0000, 0.0078, 0.8587
CMYK	0.00, 0.01, 0.86, 0.00
HSL	59°, 100%, 57%
HSV	59°, 86%, 100%
XYZ	76.6894, 91.6379, 15.3158
YIQ	228.8600, 70.8490, -67.0630

Conversions

Conversions Part 2

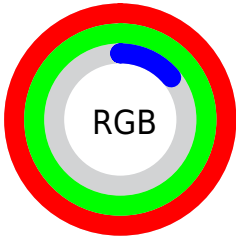
Format	Color
R _Y B	38, 255, 36
Decimal	16776484
CIE Lab	96.67, -20.17, 90.25
CIE LCh	97, 92.476, 102.601
Yxy	91.6379, 0.4176, 0.4990
Android (android.graphics.Color)	4294966564 (0xFFFFFD24)
YUV	228.8600, -95.0800, 22.9248
Hunter-Lab	95.7277, -24.5236, 57.5234

Details

The Yxy color **91.6379, 0.4176, 0.4990** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.9833, 0.1573, 0.0726**, and the grayscale version is **78.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8415, 0.3957, 0.4661**, and **51.4018, 0.4167, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **91.3872, 0.4203, 0.5031**, and if you desaturate by 10%, it is **92.0007, 0.4123, 0.4907**.

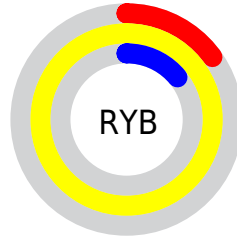
Distribution



Red (100%)

Green (99%)

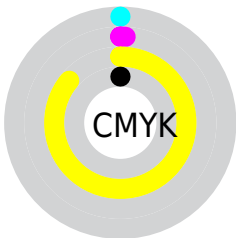
Blue (14%)



Red (15%)

Yellow (100%)

Blue (14%)

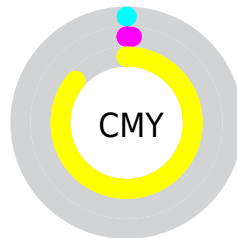


Cyan (0%)

Magenta (1%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (1%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.6379, 0.4176, 0.4990 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 91.6379, 0.4176, 0.4990 by changing the saturation by 10% instead.


 91.6379, 0.4176,
0.4990


 91.6379, 0.4176,
0.4990


533.3446, 0.3802,
0.4291


 69.3399, 0.4228,
0.5116


 149.6114, 0.4073,
0.4773


 50.9886, 0.4275,
0.5254

 186.0558, 0.4026,
0.4681


 36.1995, 0.4309,
0.5400


 227.9843, 0.3981,
0.4598

 24.5883, 0.4325,
0.5557

 275.7815, 0.3939,
0.4524

 15.7706, 0.4296,
0.5704

 329.8318, 0.3901,
0.4457

 9.3620, 0.4182,
0.5818


390.5194, 0.3865,


 4.9780, 0.4015,


0.4396

0.5985

458.2289, 0.3833,
0.4341

 2.2344, 0.3741,
0.6259


 0.7386, 0.2210,
0.7790


 91.6379, 0.4176,
0.4990


 91.6379, 0.4176,
0.4990


 91.3872, 0.4203,
0.5031


 92.0007, 0.4123,
0.4907


 91.3035, 0.4209,
0.5040


 92.4939, 0.4044,
0.4781


 93.1344, 0.3939,
0.4612

 93.9362, 0.3813,
0.4408

 94.9115, 0.3672,
0.4179

 96.0715, 0.3521,
0.3934

 97.4263, 0.3367,
0.3682

 98.9855, 0.3214,
0.3433

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.



91.6379, 0.4881, 0.4349



91.6379, 0.4176, 0.4990



91.6379, 0.3261, 0.5190

Triad

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



91.6379, 0.4176, 0.4990



91.6379, 0.1466, 0.2427



91.6379, 0.3742, 0.2386

Complementary

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



91.6379, 0.4176, 0.4990



8.9833, 0.1573, 0.0726

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.



91.6379, 0.2708, 0.1981



91.6379, 0.4176, 0.4990



91.6379, 0.1549, 0.1943

Square

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



91.6379, 0.4176, 0.4990



91.6379, 0.1723, 0.3359



91.6379, 0.1955, 0.1820



91.6379, 0.4705, 0.2969

Rectangle

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



91.6379, 0.4176, 0.4990



91.6379, 0.2642, 0.4845



91.6379, 0.1955, 0.1820



91.6379, 0.3381, 0.2227

Sweetspot

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



91.6385, 0.4176, 0.4990



96.0555, 0.3523, 0.3937



22.6743, 0.6118, 0.3284



20.4694, 0.3576, 0.4023



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.



91.6385, 0.4176, 0.4990



91.3035, 0.4209, 0.5040



78.0523, 0.3446, 0.5546



21.0606, 0.3269, 0.3523



47.7211, 0.4209, 0.5040



4.6553, 0.4207, 0.5041

Inverse Universe

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



8.9833, 0.1573, 0.0726



7.2705, 0.1501, 0.0604



14.2219, 0.2132, 0.1017



17.4043, 0.2978, 0.3046



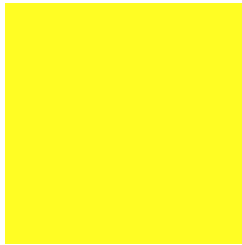
3.8105, 0.1502, 0.0605



0.3800, 0.1505, 0.0619

Previews

White Background



This preview shows how the Yxy color 91.6379, 0.4176, 0.4990 looks on a white background.

Color Contrast Check

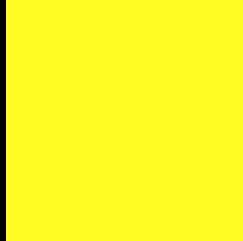
Large Text (above 18pt) WCAG AA × Fail

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 91.6379, 0.4176, 0.4990 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 91.6379, 0.4176, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 91.6379, 0.4176, 0.4990.



This preview shows how white text looks on a background with the Yxy color 91.6379, 0.4176, 0.4990.

Color Blindness Simulation

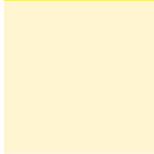
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



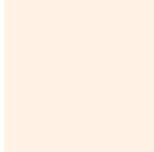
Original Color

91.6379, 0.4176, 0.4990



Protanopia

91.1683, 0.3416, 0.3647



Deuteranopia

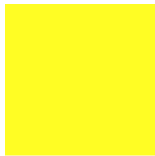
91.6745, 0.3285, 0.3427



Tritanopia

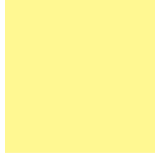
91.5416, 0.3176, 0.3232

Trichromacy



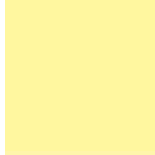
Original Color

91.6379, 0.4176, 0.4990



Protanomaly

90.4701, 0.3793, 0.4290



Deuteranomaly

90.2847, 0.3721, 0.4160



Tritanomaly

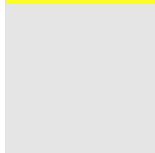
90.1118, 0.3652, 0.4036

Monochromacy



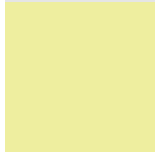
Original Color

91.6379, 0.4176, 0.4990



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.8294, 0.3628, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6379, 0.4176, 0.4990 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, 253, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 36)  
}
```

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, 253, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 36) }
```

Border

The CSS property to change the border of an element to Yxy 91.6379, 0.4176, 0.4990 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, 253, 36) }
```

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

```
.border{ border-color:rgb(255, 253, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 91.6379, 0.4176, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 36) }
```

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

```
.background{ background-color: rgb(255,  
253, 36) }
```

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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