

Converting Colors

Yxy(88.0035, 0.4233, 0.4985)

Have a look what the booklet for
Yxy(88.0035, 0.4233, 0.4985)
contains.

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Color

Yxy(87.8395, 0.4235, 0.4983)

Conversions

Conversions Part 1

Format	Color
Hex	FFF716
RGB	255, 247, 22
RGB Percent	100%, 97%, 9%
CMY	0.0000, 0.0314, 0.9132
CMYK	0.00, 0.03, 0.91, 0.00
HSL	58°, 100%, 54%
HSV	58°, 91%, 100%
XYZ	74.6539, 87.8395, 13.7850
YIQ	223.7420, 76.9930, -68.2790

Conversions

Conversions Part 2

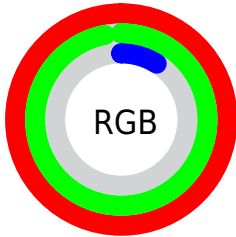
Format	Color
R _Y B	30, 255, 22
Decimal	16774934
CIE Lab	95.09, -17.52, 91.11
CIE LCh	95, 92.784, 100.887
Yxy	87.8395, 0.4235, 0.4983
Android (android.graphics.Color)	4294965014 (0xFFFFF716)
YUV	223.7420, -99.4588, 27.4133
Hunter-Lab	93.7227, -21.8324, 56.8854

Details

The Yxy color **87.8395, 0.4235, 0.4983** 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 **8.3278, 0.1540, 0.0680**, and the grayscale version is **75.0403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **48.7309, 0.4220, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **87.3159, 0.4255, 0.5003**, and if you desaturate by 10%, it is **88.5279, 0.4190, 0.4926**.

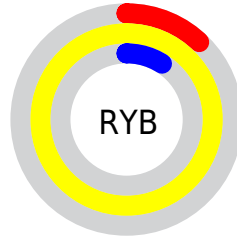
Distribution



Red (100%)

Green (97%)

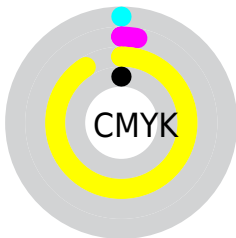
Blue (9%)



Red (12%)

Yellow (100%)

Blue (9%)

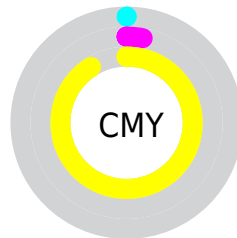


Cyan (0%)

Magenta (3%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8395, 0.4235, 0.4983 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 87.8395, 0.4235, 0.4983 by changing the saturation by 10% instead.


 87.8395, 0.4235,
0.4983

 87.8395, 0.4235,
0.4983


520.9775, 0.3836,
0.4291


 66.1902, 0.4290,
0.5105

 144.3337, 0.4125,
0.4770


 48.4268, 0.4341,
0.5237


 179.9473, 0.4074,
0.4679

 34.1650, 0.4378,
0.5375

 220.9845, 0.4026,
0.4597

 23.0204, 0.4405,
0.5530

 267.8296, 0.3982,
0.4524

 14.6086, 0.4360,
0.5640

 320.8671, 0.3941,
0.4457

 8.5451, 0.4257,
0.5743


380.4813, 0.3903,


 4.4457, 0.4102,


0.4396


0.5898


447.0566, 0.3869,
0.4341


 1.9259, 0.3843,
0.6157


 0.5639, 0.1609,
0.8391


 87.8395, 0.4235,
0.4983


 87.8395, 0.4235,
0.4983


 87.3159, 0.4255,
0.5003


 88.5279, 0.4190,
0.4926

 89.3401, 0.4118,
0.4826

 90.2934, 0.4020,
0.4681


 91.4030, 0.3899,
0.4498

 92.6819, 0.3760,
0.4285

 94.1420, 0.3609,
0.4051

 95.7938, 0.3454,
0.3807

 97.6473, 0.3298,
0.3561

 99.7116, 0.3147,
0.3321

Harmonies

Analogous

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



87.8395, 0.4934, 0.4316



87.8395, 0.4235, 0.4983



87.8395, 0.3313, 0.5236

Triad

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



87.8395, 0.4235, 0.4983



87.8395, 0.1449, 0.2452



87.8395, 0.3688, 0.2343

Complementary

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



87.8395, 0.4235, 0.4983



8.3278, 0.1540, 0.0680

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.



87.8395, 0.2648, 0.1947



87.8395, 0.4235, 0.4983



87.8395, 0.1515, 0.1940

Square

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



87.8395, 0.4235, 0.4983



87.8395, 0.1728, 0.3424



87.8395, 0.1905, 0.1799



87.8395, 0.4688, 0.2925

Rectangle

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



87.8395, 0.4235, 0.4983



87.8395, 0.2683, 0.4924



87.8395, 0.1905, 0.1799



87.8395, 0.3322, 0.2186

Sweetspot

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



87.8387, 0.4235, 0.4983



94.8313, 0.3542, 0.3946



21.9533, 0.6213, 0.3262



20.1805, 0.3595, 0.4029



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.



87.8387, 0.4235, 0.4983



87.3159, 0.4255, 0.5003



78.0826, 0.3469, 0.5582



20.9773, 0.3270, 0.3517



45.6721, 0.4254, 0.5004



4.4791, 0.4247, 0.5010

Inverse Universe

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



8.3278, 0.1540, 0.0680



7.4102, 0.1504, 0.0614



12.3054, 0.2007, 0.0912



17.4777, 0.2978, 0.3053



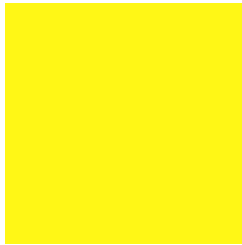
3.9153, 0.1506, 0.0620



0.4149, 0.1519, 0.0669

Previews

White Background



This preview shows how the Yxy color 87.8395, 0.4235, 0.4983 looks on a white background.

Color Contrast Check

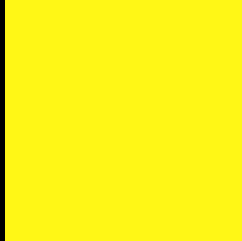
Large Text (above 18pt) WCAG AA × Fail

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 87.8395, 0.4235, 0.4983 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 87.8395, 0.4235, 0.4983

Background



This preview shows how black text looks on a background with the Yxy color 87.8395, 0.4235, 0.4983.



This preview shows how white text looks on a background with the Yxy color 87.8395, 0.4235, 0.4983.

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



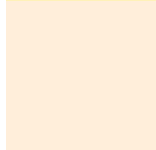
Original Color

87.8395, 0.4235, 0.4983



Protanopia

87.6313, 0.3584, 0.3861



Deuteranopia

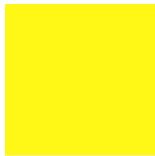
87.4710, 0.3369, 0.3489



Tritanopia

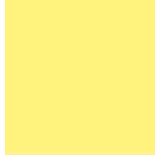
87.7826, 0.3204, 0.3212

Trichromacy



Original Color

87.8395, 0.4235, 0.4983



Protanomaly

86.8419, 0.3929, 0.4432



Deuteranomaly

86.2772, 0.3814, 0.4221



Tritanomaly

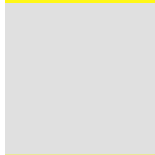
86.2245, 0.3721, 0.4060

Monochromacy



Original Color

87.8395, 0.4235, 0.4983



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.6098, 0.3675, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8395, 0.4235, 0.4983 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, 247, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 22)  
}
```

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, 247, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 22) }
```

Border

The CSS property to change the border of an element to Yxy 87.8395, 0.4235, 0.4983 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, 247, 22) }
```

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

```
.border{ border-color:rgb(255, 247, 22) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8395, 0.4235, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 22) }
```

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

```
.background{ background-color: rgb(255,  
247, 22) }
```

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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