

Converting Colors

$Yxy(87.0448, 0.3942, 0.5206)$

Have a look what the booklet for
Yxy(87.0448, 0.3942, 0.5206)
contains.

Yxy(87.1198, 0.3945, 0.5203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.1198, 0.3945, 0.5203)

Conversions

Conversions Part 1

Format	Color
Hex	DEFF19
RGB	222, 255, 25
RGB Percent	87%, 100%, 10%
CMY	0.1295, 0.0000, 0.9011
CMYK	0.13, 0.00, 0.90, 0.00
HSL	69°, 100%, 55%
HSV	69°, 90%, 100%
XYZ	66.0557, 87.1198, 14.2660
YIQ	218.9130, 54.1620, -78.5260

Conversions

Conversions Part 2

Format	Color
R _Y B	25, 255, 58
Decimal	14614297
CIE Lab	94.79, -34.65, 89.44
CIE LCh	95, 95.913, 111.179
Yxy	87.1198, 0.3945, 0.5203
Android (android.graphics.Color)	4292804377 (0xFFDEFF19)
YUV	218.9130, -95.5991, 2.7073
Hunter-Lab	93.3380, -37.0163, 56.2746

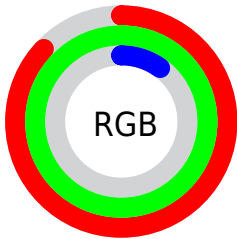
Details

The Yxy color **87.1198, 0.3945, 0.5203** is a light color, and the websafe version is hex **CCFF00**.

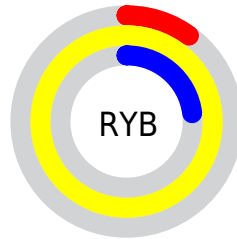
The color can be described as light washed yellow. A complement of this color would be **8.8325, 0.1623, 0.0711**, and the grayscale version is **71.4355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **48.0695, 0.3874, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **86.4789, 0.3937, 0.5256**, and if you desaturate by 10%, it is **87.8671, 0.3931, 0.5110**.

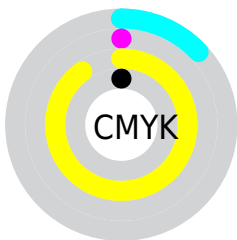
Distribution



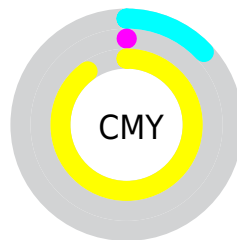
- Red (87%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (23%)



- Cyan (13%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1198, 0.3945, 0.5203 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 87.1198, 0.3945, 0.5203 by changing the saturation by 10% instead.


 87.1198, 0.3945,
0.5203

 87.1198, 0.3945,
0.5203


518.6164, 0.3680,
0.4376

 65.5944, 0.3971,
0.5361


 143.3311, 0.3880,
0.4938


 47.9432, 0.3986,
0.5539

 178.7858, 0.3847,
0.4828


 33.7819, 0.3980,
0.5734


 219.6523, 0.3815,
0.4731

 22.7261, 0.3947,
0.5961

 266.3150, 0.3784,
0.4644

 14.3914, 0.3831,
0.6169

 319.1584, 0.3756,
0.4566

 8.3934, 0.3618,
0.6382


378.5669, 0.3729,


 4.3477, 0.3297,


0.4496


0.6703


444.9247, 0.3703,
0.4433


 1.8699, 0.2753,
0.7247


 0.5302, 0.0000,
1.0000


 87.1198, 0.3945,
0.5203


 87.1198, 0.3945,
0.5203


 86.4789, 0.3937,
0.5256

 87.8671, 0.3931,
0.5110

 88.7531, 0.3891,
0.4970

 89.7925, 0.3824,
0.4787

 91.0001, 0.3735,
0.4568

 92.3889, 0.3628,
0.4324

 93.9706, 0.3509,
0.4065

 95.7558, 0.3382,
0.3801

 97.7544, 0.3254,
0.3542

99.9754, 0.3128,
0.3293

Harmonies

Analogous

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



87.1198, 0.4775, 0.4587



87.1198, 0.3945, 0.5203



87.1198, 0.2970, 0.5206

Triad

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



87.1198, 0.3945, 0.5203



87.1198, 0.1390, 0.2190



87.1198, 0.4094, 0.2502

Complementary

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



87.1198, 0.3945, 0.5203



8.8325, 0.1623, 0.0711

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.



87.1198, 0.2973, 0.2022



87.1198, 0.3945, 0.5203



87.1198, 0.1570, 0.1814

Square

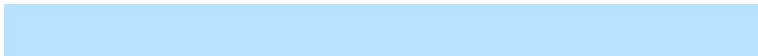
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1198, 0.3945, 0.5203



87.1198, 0.1543, 0.3025



87.1198, 0.2087, 0.1780



87.1198, 0.4990, 0.3137

Rectangle

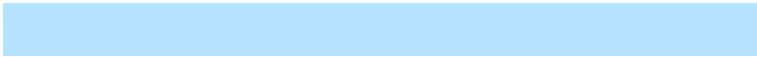
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1198, 0.3945, 0.5203



87.1198, 0.2353, 0.4661



87.1198, 0.2087, 0.1780



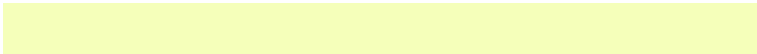
87.1198, 0.3717, 0.2320

Sweetspot

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



87.1166, 0.3945, 0.5203



94.5027, 0.3470, 0.3983



24.1467, 0.6091, 0.3434



20.1025, 0.3512, 0.4073



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.



87.1166, 0.3945, 0.5203



86.4789, 0.3937, 0.5256



74.8729, 0.3246, 0.5745



20.9506, 0.3247, 0.3526



45.2377, 0.3941, 0.5253



4.4393, 0.3972, 0.5228

Inverse Universe

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



8.8325, 0.1623, 0.0711



7.6069, 0.1547, 0.0626



16.5553, 0.2380, 0.1121



17.5030, 0.3001, 0.3046



4.0124, 0.1556, 0.0631



0.4265, 0.1640, 0.0677

Previews

White Background



This preview shows how the Yxy color 87.1198, 0.3945, 0.5203 looks on a white background.

Color Contrast Check

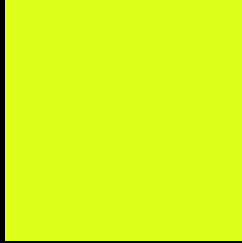
Large Text (above 18pt) WCAG AA × Fail

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 87.1198, 0.3945, 0.5203 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 87.1198, 0.3945, 0.5203

Background



This preview shows how black text looks on a background with the Yxy color 87.1198, 0.3945, 0.5203.



This preview shows how white text looks on a background with the Yxy color 87.1198, 0.3945, 0.5203.

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



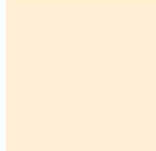
Original Color

87.1198, 0.3945, 0.5203



Protanopia

86.7545, 0.3632, 0.3922



Deuteranopia

86.6834, 0.3397, 0.3520



Tritanopia

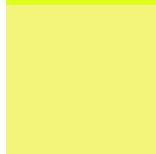
86.4891, 0.3044, 0.3112

Trichromacy



Original Color

87.1198, 0.3945, 0.5203



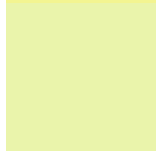
Protanomaly

85.7646, 0.3849, 0.4514



Deuteranomaly

85.8004, 0.3728, 0.4298



Tritanomaly

85.1341, 0.3509, 0.4057

Monochromacy



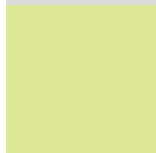
Original Color

87.1198, 0.3945, 0.5203



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

75.0988, 0.3575, 0.4208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1198, 0.3945, 0.5203 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(222, 255, 25)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 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(222, 255, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 25) }
```

Border

The CSS property to change the border of an element to Yxy 87.1198, 0.3945, 0.5203 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(222, 255, 25) }
```

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

```
.border{ border-color:rgb(222, 255, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 25);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1198, 0.3945, 0.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 25) }
```

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

```
.background{ background-color: rgb(222,  
255, 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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