

Converting Colors

Yxy(78.5538, 0.4015, 0.5194)

Have a look what the booklet for
Yxy(78.5538, 0.4015, 0.5194)
contains.

Yxy(78.4097, 0.4017, 0.5192)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.4097, 0.4017, 0.5192)

Conversions

Conversions Part 1

Format	Color
Hex	DAF200
RGB	218, 242, 0
RGB Percent	85%, 95%, 0%
CMY	0.1451, 0.0510, 0.9987
CMYK	0.10, 0.00, 1.00, 0.05
HSL	66°, 100%, 48%
HSV	66°, 100%, 95%
XYZ	60.6648, 78.4097, 11.9457
YIQ	207.2360, 63.3780, -80.3500

Conversions

Conversions Part 2

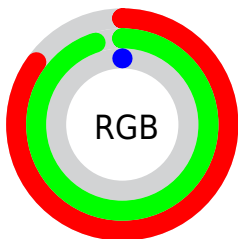
Format	Color
RYB	0, 242, 24
Decimal	14348800
CIELab	90.97, -30.57, 88.68
CIElCh	91, 93.801, 109.018
Yxy	78.4097, 0.4017, 0.5192
Android (android.graphics.Color)	4292538880 (0xFFDAF200)
YUV	207.2360, -102.1673, 9.4400
Hunter-Lab	88.5493, -32.6714, 53.9860

Details

The Yxy color **78.4097, 0.4017, 0.5192** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.6169, 0.1528, 0.0616**, and the grayscale version is **63.2243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **42.3869, 0.3930, 0.5262** is the 20% darker color. If you saturate the color by 10%, you get **78.4075, 0.4017, 0.5193**, and if you desaturate by 10%, it is **78.8542, 0.4016, 0.5144**.

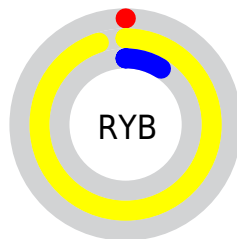
Distribution



Red (85%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (9%)

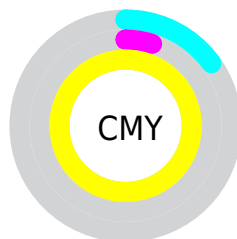


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (15%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4097, 0.4017, 0.5192 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 78.4097, 0.4017, 0.5192 by changing the saturation by 10% instead.


 78.4097, 0.4017,
0.5192


 78.4097, 0.4017,
0.5192


489.5571, 0.3717,
0.4366

 58.4106, 0.4048,
0.5349


 131.1275, 0.3942,
0.4928


 42.1388, 0.4067,
0.5523


 164.6150, 0.3904,
0.4818


 29.2100, 0.4062,
0.5711


 203.3674, 0.3868,
0.4720

 19.2398, 0.4045,
0.5955

 247.7691, 0.3834,
0.4633

 11.8436, 0.3895,
0.6105

 298.2046, 0.3801,
0.4555

 6.6373, 0.3678,
0.6322


 355.0581, 0.3771,


 3.2363, 0.3341,


0.4486


0.6659


418.7142, 0.3743,
0.4423


 1.2563, 0.2450,
0.7550


 0.1070, 0.0000,
1.0000


 78.4097, 0.4017,
0.5192

 78.4097, 0.4017,
0.5192

 78.4075, 0.4017,
0.5193

 78.8542, 0.4016,
0.5144

 79.3844, 0.3993,
0.5058

 80.0294, 0.3944,
0.4926

 80.8046, 0.3868,
0.4751

■ 81.7229, 0.3771,
0.4541

■ 82.7958, 0.3655,
0.4303

■ 84.0335, 0.3527,
0.4050

■ 85.4451, 0.3393,
0.3791

■ 87.0394, 0.3258,
0.3534

Harmonies

Analogous

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



78.4097, 0.4838, 0.4541



78.4097, 0.4017, 0.5192



78.4097, 0.3036, 0.5267

Triad

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



78.4097, 0.4017, 0.5192



78.4097, 0.1373, 0.2220



78.4097, 0.4024, 0.2452

Complementary

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



78.4097, 0.4017, 0.5192



6.6169, 0.1528, 0.0616

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.



78.4097, 0.2894, 0.1984



78.4097, 0.4017, 0.5192



78.4097, 0.1531, 0.1814

Square

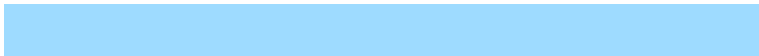
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4097, 0.4017, 0.5192



78.4097, 0.1552, 0.3100



78.4097, 0.2026, 0.1758



78.4097, 0.4968, 0.3083

Rectangle

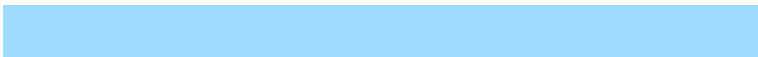
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4097, 0.4017, 0.5192



78.4097, 0.2405, 0.4760



78.4097, 0.2026, 0.1758



78.4097, 0.3640, 0.2273

Sweetspot

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



78.4133, 0.4017, 0.5192



94.6010, 0.3530, 0.4056



19.3964, 0.6349, 0.3339



20.1178, 0.3585, 0.4164



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.



78.4133, 0.4017, 0.5192



88.2865, 0.4016, 0.5193



66.2778, 0.3250, 0.5801



18.3746, 0.3253, 0.3524



42.1524, 0.4020, 0.5190



3.5296, 0.4044, 0.5171

Inverse Universe

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



6.6169, 0.1528, 0.0616



7.4310, 0.1526, 0.0614



12.1083, 0.2181, 0.0976



15.3039, 0.2995, 0.3047



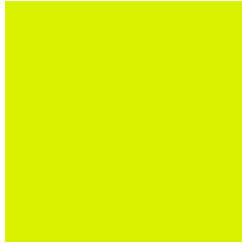
3.5749, 0.1534, 0.0619



0.3225, 0.1610, 0.0660

Previews

White Background



This preview shows how the Yxy color 78.4097, 0.4017, 0.5192 looks on a white background.

Color Contrast Check

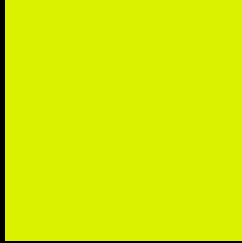
Large Text (above 18pt) WCAG AA × Fail

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 78.4097, 0.4017, 0.5192 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 78.4097, 0.4017, 0.5192

Background



This preview shows how black text looks on a background with the Yxy color 78.4097, 0.4017, 0.5192.



This preview shows how white text looks on a background with the Yxy color 78.4097, 0.4017, 0.5192.

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

78.4097, 0.4017, 0.5192

Protanopia

77.9387, 0.4205, 0.4626

Deuteranopia

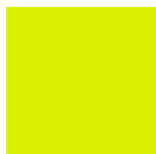
77.9487, 0.3643, 0.3720



Tritanopia

78.1544, 0.3088, 0.3106

Trichromacy



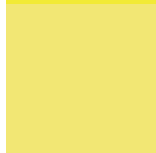
Original Color

78.4097, 0.4017, 0.5192



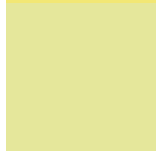
Protanomaly

77.9892, 0.4176, 0.4883



Deuteranomaly

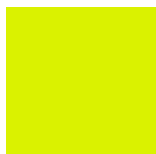
77.2900, 0.3940, 0.4455



Tritanomaly

76.1764, 0.3608, 0.4114

Monochromacy



Original Color

78.4097, 0.4017, 0.5192



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.7012, 0.3652, 0.4302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4097, 0.4017, 0.5192 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(218, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 0)  
}
```

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(218, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.4097, 0.4017, 0.5192 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(218, 242, 0) }
```

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

```
.border{ border-color:rgb(218, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(218, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4097, 0.4017, 0.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 0) }
```

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

```
.background{ background-color: rgb(218,  
242, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor