

Converting Colors

$Yxy(78.9732, 0.4035, 0.5178)$

Have a look what the booklet for
Yxy(78.9732, 0.4035, 0.5178)
contains.

Yxy(78.8764, 0.4039, 0.5175)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.8764, 0.4039, 0.5175)

Conversions

Conversions Part 1

Format	Color
Hex	DDF200
RGB	221, 242, 0
RGB Percent	87%, 95%, 0%
CMY	0.1335, 0.0509, 0.9999
CMYK	0.09, 0.00, 1.00, 0.05
HSL	65°, 100%, 47%
HSV	65°, 100%, 95%
XYZ	61.5617, 78.8764, 11.9801
YIQ	208.1330, 65.1660, -79.7140

Conversions

Conversions Part 2

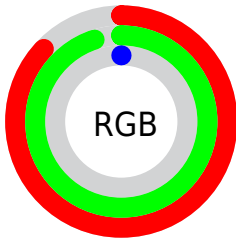
Format	Color
R_{YB}	0, 242, 21
Decimal	14545408
CIE _{Lab}	91.18, -29.37, 88.95
CIE _{LCh}	91, 93.677, 108.271
Yxy	78.8764, 0.4039, 0.5175
Android (android.graphics.Color)	4292735488 (0xFFDDDF200)
YUV	208.1330, -102.6096, 11.2844
Hunter-Lab	88.8124, -31.6916, 54.1709

Details

The Yxy color **78.8764, 0.4039, 0.5175** 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 **6.5731, 0.1522, 0.0612**, and the grayscale version is **63.8157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **42.6949, 0.3958, 0.5239** is the 20% darker color. If you saturate the color by 10%, you get **78.8794, 0.4039, 0.5175**, and if you desaturate by 10%, it is **79.2795, 0.4036, 0.5130**.

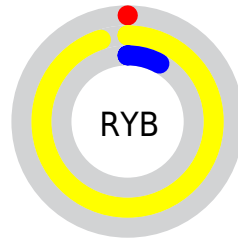
Distribution



Red (87%)

Green (95%)

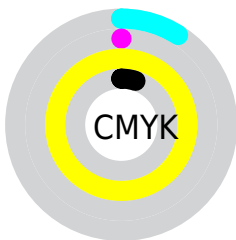
Blue (0%)



Red (0%)

Yellow (95%)

Blue (8%)

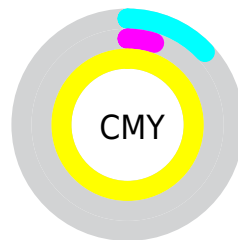


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (13%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8764, 0.4039, 0.5175 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 78.8764, 0.4039, 0.5175 by changing the saturation by 10% instead.

 78.8764, 0.4039,
0.5175


 78.8764, 0.4039,
0.5175


491.1381, 0.3729,
0.4360


 58.7942, 0.4072,
0.5329


 131.7848, 0.3961,
0.4916

 42.4475, 0.4094,
0.5499


 165.3799, 0.3922,
0.4807


 29.4518, 0.4093,
0.5682


 204.2480, 0.3884,
0.4711

 19.4229, 0.4081,
0.5919

 248.7735, 0.3849,
0.4625

 11.9762, 0.3938,
0.6062

 299.3409, 0.3815,
0.4548

 6.7275, 0.3732,
0.6268


 356.3345, 0.3785,


 3.2923, 0.3412,


0.4479


0.6588


420.1388, 0.3756,
0.4416


 1.2862, 0.2631,
0.7369


 0.1304, 0.0000,
1.0000


 78.8764, 0.4039,
0.5175


 78.8764, 0.4039,
0.5175

 78.8794, 0.4039,
0.5175

 79.2795, 0.4036,
0.5130

 79.7664, 0.4011,
0.5046

 80.3666, 0.3960,
0.4918

 81.0956, 0.3883,
0.4746

■ 81.9664, 0.3783,
0.4538

■ 82.9903, 0.3665,
0.4303

■ 84.1776, 0.3535,
0.4052

■ 85.5376, 0.3399,
0.3793

■ 87.0788, 0.3262,
0.3537

Harmonies

Analogous

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



78.8764, 0.4850, 0.4521



78.8764, 0.4039, 0.5175



78.8764, 0.3061, 0.5270

Triad

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



78.8764, 0.4039, 0.5175



78.8764, 0.1377, 0.2239



78.8764, 0.3993, 0.2440

Complementary

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



78.8764, 0.4039, 0.5175



6.5731, 0.1522, 0.0612

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.



78.8764, 0.2869, 0.1978



78.8764, 0.4039, 0.5175



78.8764, 0.1527, 0.1823

Square

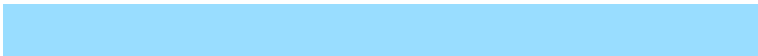
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8764, 0.4039, 0.5175



78.8764, 0.1566, 0.3130



78.8764, 0.2012, 0.1760



78.8764, 0.4945, 0.3068

Rectangle

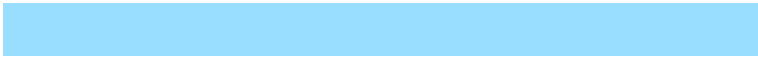
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8764, 0.4039, 0.5175



78.8764, 0.2429, 0.4781



78.8764, 0.2012, 0.1760



78.8764, 0.3609, 0.2263

Sweetspot

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



78.8800, 0.4039, 0.5175



94.7736, 0.3537, 0.4054



19.3878, 0.6351, 0.3339



20.1597, 0.3593, 0.4162



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.



78.8800, 0.4039, 0.5175



88.8114, 0.4038, 0.5175



66.2732, 0.3249, 0.5802



18.3850, 0.3255, 0.3524



42.3984, 0.4042, 0.5173



3.5475, 0.4063, 0.5156

Inverse Universe

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



6.5731, 0.1522, 0.0612



7.3928, 0.1521, 0.0612



12.0922, 0.2180, 0.0975



15.2945, 0.2993, 0.3047



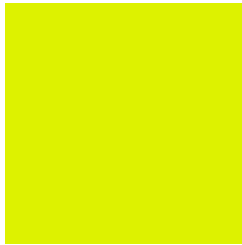
3.5539, 0.1528, 0.0616



0.3180, 0.1596, 0.0653

Previews

White Background



This preview shows how the Yxy color 78.8764, 0.4039, 0.5175 looks on a white background.

Color Contrast Check

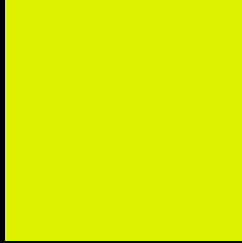
Large Text (above 18pt) WCAG AA × Fail

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 78.8764, 0.4039, 0.5175 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 78.8764, 0.4039, 0.5175

Background



This preview shows how black text looks on a background with the Yxy color 78.8764, 0.4039, 0.5175.



This preview shows how white text looks on a background with the Yxy color 78.8764, 0.4039, 0.5175.

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

78.8764, 0.4039, 0.5175

Protanopia

78.6263, 0.4164, 0.4581

Deuteranopia

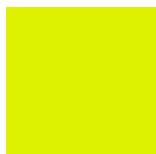
78.5711, 0.3626, 0.3709



Tritanopia

78.6722, 0.3108, 0.3107

Trichromacy



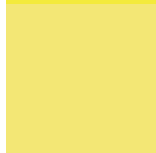
Original Color

78.8764, 0.4039, 0.5175



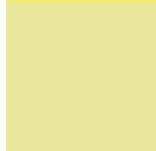
Protanomaly

78.2161, 0.4170, 0.4856



Deuteranomaly

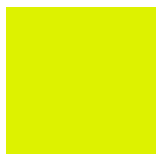
77.4909, 0.3942, 0.4443



Tritanomaly

76.6742, 0.3630, 0.4107

Monochromacy



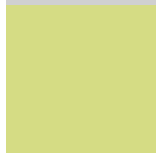
Original Color

78.8764, 0.4039, 0.5175



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.9985, 0.3668, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8764, 0.4039, 0.5175 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(221, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.8764, 0.4039, 0.5175 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(221, 242, 0) }
```

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

```
.border{ border-color:rgb(221, 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(221, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8764, 0.4039, 0.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 242, 0) }
```

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

```
.background{ background-color: rgb(221,  
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