

Converting Colors

$Y_{xy}(81.1098, 0.4335, 0.4940)$

Have a look what the booklet for
Yxy(81.1098, 0.4335, 0.4940)
contains.

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Color

Yxy(81.2509, 0.4333, 0.4942)

Conversions

Conversions Part 1

Format	Color
Hex	FFEC00
RGB	255, 236, 0
RGB Percent	100%, 93%, 0%
CMY	0.0000, 0.0745, 1.0000
CMYK	0.00, 0.07, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	71.2384, 81.2509, 11.9196
YIQ	214.7770, 87.0800, -69.3680

Conversions

Conversions Part 2

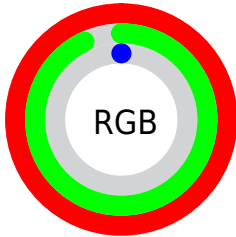
Format	Color
R _Y B	21, 255, 0
Decimal	16772096
CIE Lab	92.24, -12.39, 90.95
CIE LCh	92, 91.791, 97.754
Yxy	81.2509, 0.4333, 0.4942
Android (android.graphics.Color)	4294962176 (0xFFFFE000)
YUV	214.7770, -105.8851, 35.2756
Hunter-Lab	90.1393, -16.6726, 55.2572

Details

The Yxy color **81.2509, 0.4333, 0.4942** 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 **7.6856, 0.1510, 0.0635**, and the grayscale version is **68.4836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **44.3852, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **81.2526, 0.4333, 0.4942**, and if you desaturate by 10%, it is **82.4247, 0.4298, 0.4922**.

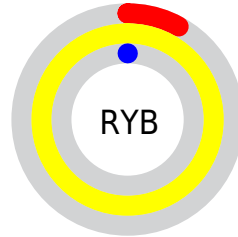
Distribution



Red (100%)

Green (93%)

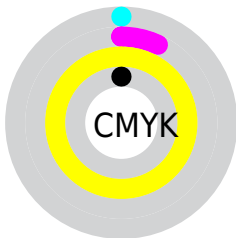
Blue (0%)



Red (8%)

Yellow (100%)

Blue (0%)

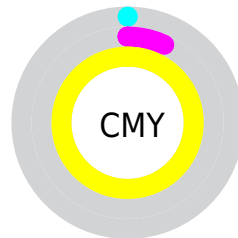


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2509, 0.4333, 0.4942 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 81.2509, 0.4333, 0.4942 by changing the saturation by 10% instead.


 81.2509, 0.4333,
0.4942


 81.2509, 0.4333,
0.4942


499.1385, 0.3888,
0.4273

 60.7483, 0.4397,
0.5057


 135.1230, 0.4208,
0.4739


 44.0220, 0.4456,
0.5177

 169.2613, 0.4151,
0.4651


 30.6878, 0.4502,
0.5299


 208.7135, 0.4098,
0.4572

 20.3613, 0.4552,
0.5448

 253.8642, 0.4048,
0.4500

 12.6579, 0.4495,
0.5505

 305.0976, 0.4003,
0.4435

 7.1934, 0.4415,
0.5585

 362.7982, 0.3961,

 3.5834, 0.4292,

0.4376

0.5708

427.3504, 0.3923,
0.4322

■ 1.4433, 0.4079,
0.5921

■ 0.2483, 0.0000,
1.0000

■ 81.2509, 0.4333,
0.4942

■ 81.2509, 0.4333,
0.4942

■ 81.2526, 0.4333,
0.4942

■ 82.4247, 0.4298,
0.4922

■ 83.7029, 0.4239,
0.4864

■ 85.1158, 0.4152,
0.4761

■ 86.6813, 0.4039,
0.4614

■ 88.4140, 0.3905,
0.4431

■ 90.3271, 0.3755,
0.4220

■ 92.4320, 0.3597,
0.3992

■ 94.7394, 0.3437,
0.3755

■ 97.2590, 0.3279,
0.3519

Harmonies

Analogous

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



81.2509, 0.5006, 0.4246



81.2509, 0.4333, 0.4942



81.2509, 0.3412, 0.5276

Triad

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



81.2509, 0.4333, 0.4942



81.2509, 0.1441, 0.2518



81.2509, 0.3578, 0.2279

Complementary

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



81.2509, 0.4333, 0.4942



7.6856, 0.1510, 0.0635

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.



81.2509, 0.2545, 0.1903



81.2509, 0.4333, 0.4942



81.2509, 0.1475, 0.1957

Square

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



81.2509, 0.4333, 0.4942



81.2509, 0.1761, 0.3551



81.2509, 0.1833, 0.1782



81.2509, 0.4623, 0.2851

Rectangle

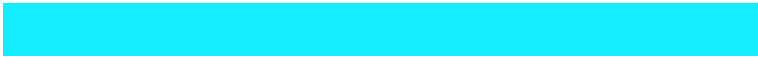
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2509, 0.4333, 0.4942



81.2509, 0.2770, 0.5031



81.2509, 0.1833, 0.1782



81.2509, 0.3210, 0.2128

Sweetspot

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



81.2526, 0.4333, 0.4942



92.4320, 0.3597, 0.3992



21.3151, 0.6332, 0.3262



19.5891, 0.3664, 0.4090



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.



81.2526, 0.4333, 0.4942



77.8861, 0.3474, 0.5624



20.8454, 0.3271, 0.3508



42.5539, 0.4330, 0.4944



4.2096, 0.4313, 0.4958

Inverse Universe

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



7.6856, 0.1510, 0.0635



10.2995, 0.1853, 0.0794



17.5950, 0.2978, 0.3063



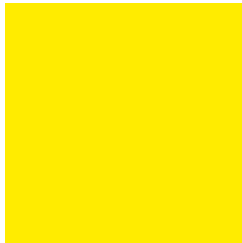
4.0934, 0.1513, 0.0646



0.4704, 0.1541, 0.0748

Previews

White Background



This preview shows how the Yxy color 81.2509, 0.4333, 0.4942 looks on a white background.

Color Contrast Check

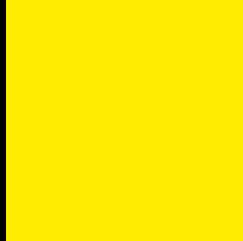
Large Text (above 18pt) WCAG AA × Fail

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 81.2509, 0.4333, 0.4942 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 81.2509, 0.4333, 0.4942

Background



This preview shows how black text looks on a background with the Yxy color 81.2509, 0.4333, 0.4942.



This preview shows how white text looks on a background with the Yxy color 81.2509, 0.4333, 0.4942.

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

81.2509, 0.4333, 0.4942

Protanopia

81.0963, 0.3961, 0.4324

Deuteranopia

81.1937, 0.3547, 0.3645



Tritanopia

81.1086, 0.3272, 0.3192

Trichromacy



Original Color

81.2509, 0.4333, 0.4942



Protanomaly

80.6997, 0.4185, 0.4681



Deuteranomaly

80.4033, 0.3994, 0.4359



Tritanomaly

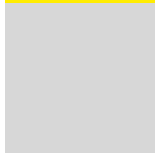
79.5006, 0.3843, 0.4087

Monochromacy



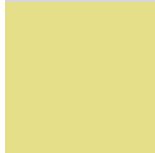
Original Color

81.2509, 0.4333, 0.4942



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.4045, 0.3759, 0.4224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2509, 0.4333, 0.4942 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, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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(255, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 0) }
```

Border

The CSS property to change the border of an element to Yxy 81.2509, 0.4333, 0.4942 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, 236, 0) }
```

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

```
.border{ border-color:rgb(255, 236, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 81.2509, 0.4333, 0.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 0) }
```

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

```
.background{ background-color: rgb(255,  
236, 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](#).

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