

Converting Colors

Yxy(82.3389, 0.4318, 0.4953)

Have a look what the booklet for
Yxy(82.3389, 0.4318, 0.4953)
contains.

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Color

Yxy(82.4091, 0.4317, 0.4954)

Conversions

Conversions Part 1

Format	Color
Hex	FFEE00
RGB	255, 238, 0
RGB Percent	100%, 93%, 0%
CMY	0.0000, 0.0666, 0.9992
CMYK	0.00, 0.07, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	71.8127, 82.4091, 12.1268
YIQ	215.9510, 86.5300, -70.4140

Conversions

Conversions Part 2

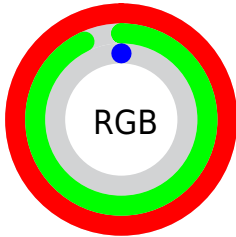
Format	Color
R _Y B	18, 255, 0
Decimal	16772608
CIE Lab	92.76, -13.37, 91.28
CIE LCh	93, 92.257, 98.335
Yxy	82.4091, 0.4317, 0.4954
Android (android.graphics.Color)	4294962688 (0xFFFFEE00)
YUV	215.9510, -106.4638, 34.2460
Hunter-Lab	90.7795, -17.6585, 55.6253

Details

The Yxy color **82.4091, 0.4317, 0.4954** 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 **7.6277, 0.1509, 0.0630**, and the grayscale version is **69.3483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **45.2044, 0.4287, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **82.4042, 0.4317, 0.4954**, and if you desaturate by 10%, it is **83.4802, 0.4284, 0.4933**.

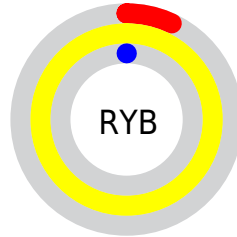
Distribution



Red (100%)

Green (93%)

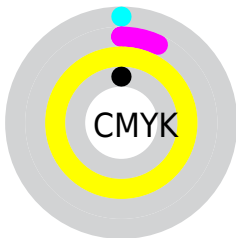
Blue (0%)



Red (7%)

Yellow (100%)

Blue (0%)

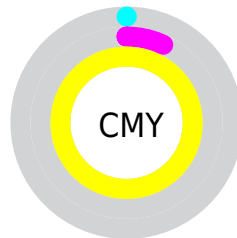


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4091, 0.4317, 0.4954 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 82.4091, 0.4317, 0.4954 by changing the saturation by 10% instead.

 82.4091, 0.4317,
0.4954


 82.4091, 0.4317,
0.4954


503.0151, 0.3880,
0.4280


 61.7028, 0.4379,
0.5070


 136.7476, 0.4195,
0.4749


 44.7926, 0.4436,
0.5193


 171.1485, 0.4139,
0.4661


 31.2941, 0.4479,
0.5317


 210.8831, 0.4087,
0.4581

 20.8229, 0.4528,
0.5472

 256.3358, 0.4039,
0.4508

 12.9946, 0.4468,
0.5532

 307.8909, 0.3994,
0.4443

 7.4248, 0.4383,
0.5617

 365.9329, 0.3953,

 3.7292, 0.4253,

0.4383

0.5747

430.8462, 0.3915,
0.4329

■ 1.5233, 0.4029,
0.5971

■ 0.3050, 0.0000,
1.0000

■ 82.4091, 0.4317,
0.4954

■ 82.4091, 0.4317,
0.4954


■ 82.4042, 0.4317,
0.4954

■ 83.4802, 0.4284,
0.4933


■ 84.6515, 0.4227,
0.4874


■ 85.9554, 0.4142,
0.4769


■ 87.4097, 0.4031,
0.4622

 89.0290, 0.3899,
0.4437

 90.8264, 0.3751,
0.4225

 92.8133, 0.3594,
0.3995

 95.0005, 0.3435,
0.3757

 97.3975, 0.3277,
0.3519

Harmonies

Analogous

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



82.4091, 0.4998, 0.4261



82.4091, 0.4317, 0.4954



82.4091, 0.3393, 0.5276

Triad

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



82.4091, 0.4317, 0.4954



82.4091, 0.1438, 0.2503



82.4091, 0.3600, 0.2289

Complementary

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



82.4091, 0.4317, 0.4954



7.6277, 0.1509, 0.0630

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.



82.4091, 0.2562, 0.1908



82.4091, 0.4317, 0.4954



82.4091, 0.1478, 0.1950

Square

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



82.4091, 0.4317, 0.4954



82.4091, 0.1751, 0.3527



82.4091, 0.1842, 0.1782



82.4091, 0.4640, 0.2863

Rectangle

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



82.4091, 0.4317, 0.4954



82.4091, 0.2752, 0.5018



82.4091, 0.1842, 0.1782



82.4091, 0.3231, 0.2136

Sweetspot

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



82.4130, 0.4317, 0.4954



92.8045, 0.3596, 0.3997



21.3038, 0.6349, 0.3272



19.6797, 0.3662, 0.4096



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.



82.4130, 0.4317, 0.4954



82.4120, 0.4317, 0.4954



77.4960, 0.3449, 0.5643



20.8711, 0.3271, 0.3510



43.1504, 0.4315, 0.4956



4.2613, 0.4300, 0.4968

Inverse Universe

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



7.6277, 0.1509, 0.0630



7.6207, 0.1508, 0.0630



10.5788, 0.1882, 0.0811



17.5720, 0.2978, 0.3061



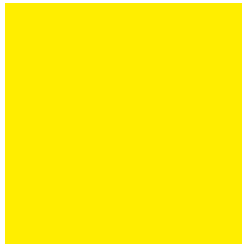
4.0540, 0.1511, 0.0640



0.4596, 0.1537, 0.0732

Previews

White Background



This preview shows how the Yxy color 82.4091, 0.4317, 0.4954 looks on a white background.

Color Contrast Check

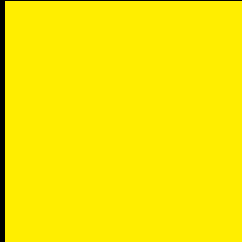
Large Text (above 18pt) WCAG AA × Fail

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 82.4091, 0.4317, 0.4954 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 82.4091, 0.4317, 0.4954

Background



This preview shows how black text looks on a background with the Yxy color 82.4091, 0.4317, 0.4954.



This preview shows how white text looks on a background with the Yxy color 82.4091, 0.4317, 0.4954.

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

82.4091, 0.4317, 0.4954

Protanopia

82.5701, 0.3881, 0.4234

Deuteranopia

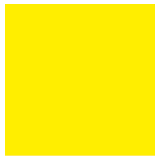
82.5353, 0.3508, 0.3614



Tritanopia

82.3126, 0.3257, 0.3192

Trichromacy



Original Color

82.4091, 0.4317, 0.4954



Protanomaly

81.9722, 0.4140, 0.4646



Deuteranomaly

81.6379, 0.3962, 0.4341



Tritanomaly

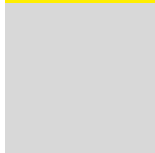
80.6462, 0.3829, 0.4095

Monochromacy



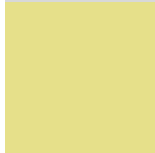
Original Color

82.4091, 0.4317, 0.4954



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.9693, 0.3748, 0.4223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4091, 0.4317, 0.4954 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, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 0) }
```

Border

The CSS property to change the border of an element to Yxy 82.4091, 0.4317, 0.4954 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, 238, 0) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4091, 0.4317, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 0) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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