

Converting Colors

Yxy(83.9112, 0.4267, 0.4990)

Have a look what the booklet for
Yxy(83.9112, 0.4267, 0.4990)
contains.

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Color

Yxy(84.2063, 0.4264, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	FCF203
RGB	252, 242, 3
RGB Percent	99%, 95%, 1%
CMY	0.0116, 0.0510, 0.9879
CMYK	0.00, 0.04, 0.99, 0.01
HSL	58°, 98%, 50%
HSV	58°, 99%, 99%
XYZ	71.9262, 84.2063, 12.5500
YIQ	217.7440, 82.6790, -72.2090

Conversions

Conversions Part 2

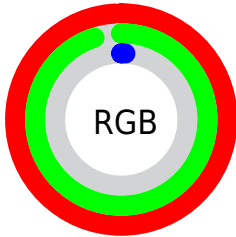
Format	Color
RYB	13, 252, 3
Decimal	16577027
CIELab	93.54, -16.52, 91.53
CIELCh	94, 93.008, 100.230
Yxy	84.2063, 0.4264, 0.4992
Android (android.graphics.Color)	4294767107 (0xFFFCF203)
YUV	217.7440, -105.8688, 30.0425
Hunter-Lab	91.7640, -20.6756, 56.1261

Details

The Yxy color **84.2063, 0.4264, 0.4992** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3424, 0.1509, 0.0624**, and the grayscale version is **70.6393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **46.1942, 0.4240, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **84.1295, 0.4267, 0.4994**, and if you desaturate by 10%, it is **84.8963, 0.4235, 0.4964**.

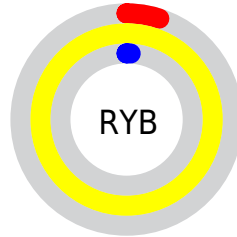
Distribution



Red (99%)

Green (95%)

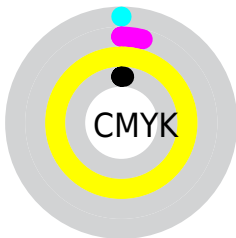
Blue (1%)



Red (5%)

Yellow (99%)

Blue (1%)

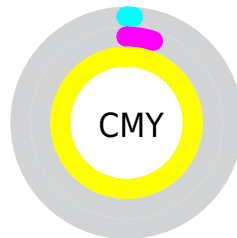


Cyan (0%)

Magenta (4%)

Yellow (99%)

Black (1%)



Cyan (1%)


Magenta (5%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2063, 0.4264, 0.4992 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 84.2063, 0.4264, 0.4992 by changing the saturation by 10% instead.


 84.2063, 0.4264,
0.4992


 84.2063, 0.4264,
0.4992


508.9981, 0.3853,
0.4297


 63.1858, 0.4320,
0.5114


 139.2637, 0.4151,
0.4779


 45.9915, 0.4371,
0.5244


 174.0694, 0.4098,
0.4688

 32.2391, 0.4407,
0.5377


 214.2389, 0.4049,
0.4605

 21.5442, 0.4444,
0.5542

 260.1567, 0.4004,
0.4531

 13.5224, 0.4377,
0.5623

 312.2071, 0.3961,
0.4464

 7.7892, 0.4274,
0.5726


 370.7745, 0.3922,


 3.9604, 0.4118,


0.4403


0.5882


436.2434, 0.3886,
0.4347


 1.6514, 0.3852,
0.6148


 0.3919, 0.0000,
1.0000


 84.2063, 0.4264,
0.4992


 84.2063, 0.4264,
0.4992


 84.1295, 0.4267,
0.4994


 84.8963, 0.4235,
0.4964


 85.6836, 0.4182,
0.4897


 86.5964, 0.4102,
0.4785

 87.6515, 0.3996,
0.4631

 88.8629, 0.3868,
0.4440

 90.2431, 0.3724,
0.4221

 91.8031, 0.3571,
0.3985

 93.5531, 0.3414,
0.3741

 95.5024, 0.3259,
0.3498

Harmonies

Analogous

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



84.2063, 0.4968, 0.4307



84.2063, 0.4264, 0.4992



84.2063, 0.3332, 0.5273

Triad

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



84.2063, 0.4264, 0.4992



84.2063, 0.1430, 0.2453



84.2063, 0.3672, 0.2319

Complementary

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



84.2063, 0.4264, 0.4992



7.3424, 0.1509, 0.0624

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.



84.2063, 0.2619, 0.1924



84.2063, 0.4264, 0.4992



84.2063, 0.1490, 0.1928

Square

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



84.2063, 0.4264, 0.4992



84.2063, 0.1718, 0.3450



84.2063, 0.1876, 0.1780



84.2063, 0.4695, 0.2903

Rectangle

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



84.2063, 0.4264, 0.4992



84.2063, 0.2693, 0.4973



84.2063, 0.1876, 0.1780



84.2063, 0.3300, 0.2162

Sweetspot

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



84.2103, 0.4264, 0.4992



94.0592, 0.3590, 0.4015



20.8069, 0.6348, 0.3279



19.9851, 0.3655, 0.4115



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.



84.2103, 0.4264, 0.4992



86.3850, 0.4267, 0.4994



75.2328, 0.3431, 0.5653



20.0634, 0.3270, 0.3515



43.8607, 0.4265, 0.4995



4.0986, 0.4256, 0.5003

Inverse Universe

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



7.3424, 0.1509, 0.0624



7.4435, 0.1505, 0.0617



10.7507, 0.1924, 0.0838



16.7553, 0.2979, 0.3055



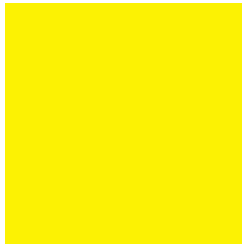
3.8265, 0.1507, 0.0624



0.3927, 0.1524, 0.0684

Previews

White Background



This preview shows how the Yxy color 84.2063, 0.4264, 0.4992 looks on a white background.

Color Contrast Check

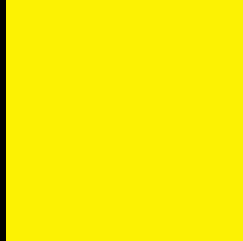
Large Text (above 18pt) WCAG AA × Fail

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 84.2063, 0.4264, 0.4992 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 84.2063, 0.4264, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 84.2063, 0.4264, 0.4992.



This preview shows how white text looks on a background with the Yxy color 84.2063, 0.4264, 0.4992.

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

84.2063, 0.4264, 0.4992

Protanopia

84.2287, 0.3775, 0.4101

Deuteranopia

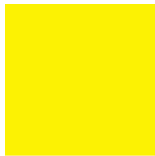
83.9456, 0.3464, 0.3572



Tritanopia

84.1449, 0.3235, 0.3192

Trichromacy



Original Color

84.2063, 0.4264, 0.4992



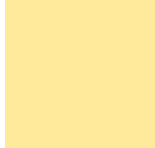
Protanomaly

83.7239, 0.4066, 0.4598



Deuteranomaly

82.7277, 0.3916, 0.4318



Tritanomaly

82.2496, 0.3791, 0.4096

Monochromacy



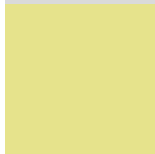
Original Color

84.2063, 0.4264, 0.4992



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.6546, 0.3724, 0.4231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2063, 0.4264, 0.4992 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(252, 242, 3)` looks like.

```
.text, #text, p{  
    color:rgb(252, 242, 3)  
}
```

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(252, 242, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 242, 3) }
```

Border

The CSS property to change the border of an element to Yxy 84.2063, 0.4264, 0.4992 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(252, 242, 3) }
```

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

```
.border{ border-color:rgb(252, 242, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 242, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 242, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 242, 3);  
box-shadow:4px 4px 4px 4px rgb(252, 242,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2063, 0.4264, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 242, 3) }
```

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

```
.background{ background-color: rgb(252,  
242, 3) }
```

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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