

Converting Colors

$Yxy(67.3667, 0.4417, 0.4571)$

Have a look what the booklet for
Yxy(67.3667, 0.4417, 0.4571)
contains.

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Color

Yxy(67.2662, 0.4420, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	FFD143
RGB	255, 209, 67
RGB Percent	100%, 82%, 26%
CMY	0.0000, 0.1804, 0.7372
CMYK	0.00, 0.18, 0.74, 0.00
HSL	45°, 100%, 63%
HSV	45°, 74%, 100%
XYZ	65.0583, 67.2662, 14.8663
YIQ	206.5660, 72.9980, -34.4100

Conversions

Conversions Part 2

Format	Color
R _Y B	128, 255, 67
Decimal	16765251
CIE Lab	85.64, 2.55, 72.25
CIE LCh	86, 72.298, 87.977
Yxy	67.2662, 0.4420, 0.4570
Android (android.graphics.Color)	4294955331 (0xFFFFD143)
YUV	206.5660, -68.8060, 42.4766
Hunter-Lab	82.0160, -1.9346, 46.6642

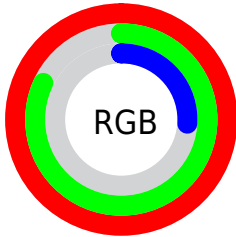
Details

The Yxy color **67.2662, 0.4420, 0.4570** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **20.2270, 0.1829, 0.1408**, and the grayscale version is **62.5192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **34.9120, 0.4601, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **64.0225, 0.4556, 0.4634**, and if you desaturate by 10%, it is **70.7649, 0.4258, 0.4460**.

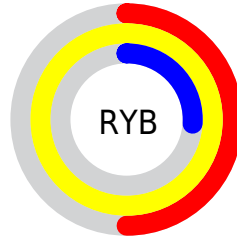
Distribution



Red (100%)

Green (82%)

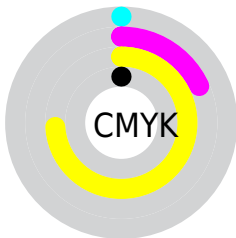
Blue (26%)



Red (50%)

Yellow (100%)

Blue (26%)

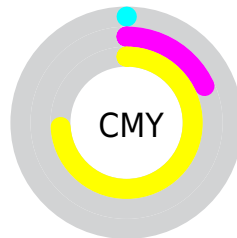


Cyan (0%)

Magenta (18%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2662, 0.4420, 0.4570 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 67.2662, 0.4420, 0.4570 by changing the saturation by 10% instead.


 67.2662, 0.4420,
0.4570


 67.2662, 0.4420,
0.4570


450.8917, 0.3870,
0.4034

 49.3010, 0.4522,
0.4666


 115.3018, 0.4247,
0.4403


 34.8583, 0.4632,
0.4769


 146.1409, 0.4174,
0.4332


 23.5537, 0.4748,
0.4873


 182.0402, 0.4108,
0.4269

 15.0029, 0.4871,
0.4980

 223.3839, 0.4050,
0.4212

 8.8214, 0.4959,
0.5041

 270.5565, 0.3998,
0.4161

 4.6249, 0.4979,
0.5021

323.9425, 0.3951,

 2.0289, 0.5012,

0.4114

0.4988

383.9261, 0.3909,
0.4072

■ 0.6242, 0.5123,
0.4877

■ 0.0000, 0.0000,
0.0000

■ 67.2662, 0.4420,
0.4570

■ 67.2662, 0.4420,
0.4570

■ 64.0225, 0.4556,
0.4634

■ 70.7649, 0.4258,
0.4460

■ 61.0126, 0.4662,
0.4649

■ 74.5350, 0.4078,
0.4312

■ 59.2243, 0.4716,
0.4638

■ 78.5914, 0.3890,
0.4137

■ 82.9476, 0.3702,
0.3946

87.6156, 0.3518,
0.3748

92.6069, 0.3345,
0.3550

97.9318, 0.3184,
0.3359

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



67.2662, 0.4848, 0.3965



67.2662, 0.4420, 0.4570



67.2662, 0.3684, 0.4936

Triad

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



67.2662, 0.4420, 0.4570



67.2662, 0.1721, 0.2904



67.2662, 0.3215, 0.2284

Complementary

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



67.2662, 0.4420, 0.4570



20.2270, 0.1829, 0.1408

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.



67.2662, 0.2400, 0.2019



67.2662, 0.4420, 0.4570



67.2662, 0.1641, 0.2273

Square

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



67.2662, 0.4420, 0.4570



67.2662, 0.2133, 0.3853



67.2662, 0.1867, 0.2000



67.2662, 0.4128, 0.2748

Rectangle

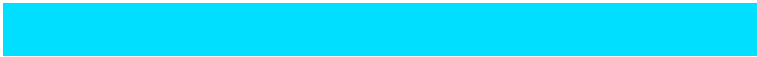
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.2662, 0.4420, 0.4570



67.2662, 0.3124, 0.4866



67.2662, 0.1867, 0.2000



67.2662, 0.2918, 0.2170

Sweetspot

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



67.2665, 0.4420, 0.4570



88.4509, 0.3488, 0.3713



26.4911, 0.5066, 0.2899



18.6512, 0.3536, 0.3767



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.



67.2665, 0.4420, 0.4570



62.7071, 0.4606, 0.4646



85.3358, 0.3769, 0.5122



20.2933, 0.3275, 0.3469



31.1924, 0.4705, 0.4646



3.2079, 0.4634, 0.4702

Inverse Universe

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



20.2270, 0.1829, 0.1408



14.0827, 0.1657, 0.1066



14.8140, 0.1958, 0.1075



18.0995, 0.2979, 0.3105



5.7895, 0.1576, 0.0874



0.7262, 0.1634, 0.1081

Previews

White Background



This preview shows how the Yxy color 67.2662, 0.4420, 0.4570 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 67.2662, 0.4420, 0.4570 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 67.2662, 0.4420, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 67.2662, 0.4420, 0.4570.



This preview shows how white text looks on a background with the Yxy color 67.2662, 0.4420, 0.4570.

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

67.2662, 0.4420, 0.4570

Protanopia

67.5558, 0.4249, 0.4681

Deuteranopia

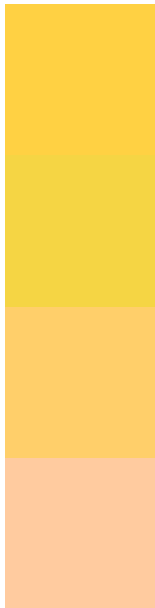
66.9876, 0.4092, 0.4074



Tritanopia

67.2717, 0.3480, 0.3178

Trichromacy



Original Color

67.2662, 0.4420, 0.4570

Protanomaly

67.4183, 0.4307, 0.4646

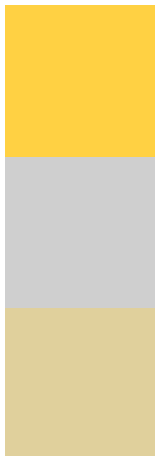
Deuteranomaly

66.9263, 0.4237, 0.4286

Tritanomaly

66.4751, 0.3883, 0.3749

Monochromacy



Original Color

67.2662, 0.4420, 0.4570

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3593, 0.3633, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2662, 0.4420, 0.4570 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, 209, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 67)  
}
```

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, 209, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 67) }
```

Border

The CSS property to change the border of an element to Yxy 67.2662, 0.4420, 0.4570 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, 209, 67) }
```

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

```
.border{ border-color:rgb(255, 209, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2662, 0.4420, 0.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 67) }
```

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

```
.background{ background-color: rgb(255,  
209, 67) }
```

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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