

# Converting Colors

Yxy(62.1412, 0.4527, 0.4509)

Have a look what the booklet for  
Yxy(62.1412, 0.4527, 0.4509)  
contains.

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# **Color**

**Yxy(61.9960, 0.4530, 0.4507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC63E
RGB	255, 198, 62
RGB Percent	100%, 78%, 24%
CMY	0.0000, 0.2236, 0.7567
CMYK	0.00, 0.22, 0.76, 0.00
HSL	42°, 100%, 62%
HSV	42°, 76%, 100%
XYZ	62.3124, 61.9960, 13.2465
YIQ	199.5390, 77.6280, -30.2120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 255, 62
Decimal	16762430
CIE <sub>Lab</sub>	82.91, 8.02, 71.44
CIE <sub>LCh</sub>	83, 71.884, 83.597
Yxy	61.9960, 0.4530, 0.4507
Android (android.graphics.Color)	4294952510 (0xFFFFC63E)
YUV	199.5390, -67.8067, 48.6393
Hunter-Lab	78.7375, 3.4730, 45.1415

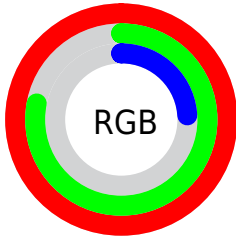
# Details

The Yxy color **61.9960, 0.4530, 0.4507** is a light color, and the websafe version is hex **FFCC33**.

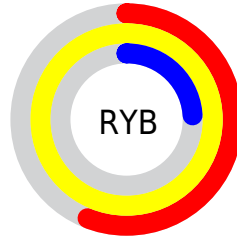
The color can be described as light washed yellow. A complement of this color would be **21.4535, 0.1832, 0.1475**, and the grayscale version is **57.8503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4516, 0.3912, 0.4573**, and **31.7201, 0.4725, 0.4630** is the 20% darker color. If you saturate the color by 10%, you get **58.4173, 0.4682, 0.4552**, and if you desaturate by 10%, it is **65.8729, 0.4351, 0.4414**.

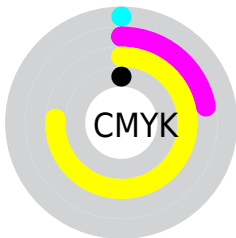
# Distribution



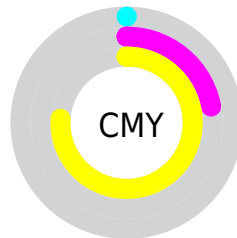
- Red (100%)
- Green (78%)
- Blue (24%)



- Red (56%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (22%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9960, 0.4530, 0.4507 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 61.9960, 0.4530, 0.4507 by changing the saturation by 10% instead.





 61.9960, 0.4530,  
0.4507

 61.9960, 0.4530,  
0.4507


431.9165, 0.3920,  
0.4005


 45.0295, 0.4645,  
0.4593


 107.7197, 0.4335,  
0.4354

 31.4806, 0.4772,  
0.4682


 137.2458, 0.4254,  
0.4287


 20.9651, 0.4906,  
0.4765


 171.7270, 0.4182,  
0.4228

 13.0985, 0.5072,  
0.4862

 211.5480, 0.4118,  
0.4174

 7.4964, 0.5153,  
0.4847

 257.0930, 0.4060,  
0.4125

 3.7744, 0.5223,  
0.4777

308.7465, 0.4009,

 1.5482, 0.5340,

0.4081

366.8929, 0.3962,  
0.4041

0.4660

0.3223, 0.6090,  
0.3910

0.0000, 0.0000,  
0.0000

61.9960, 0.4530,  
0.4507

61.9960, 0.4530,  
0.4507

58.4173, 0.4682,  
0.4552

65.8729, 0.4351,  
0.4414

55.1208, 0.4802,  
0.4547

70.0731, 0.4156,  
0.4281

53.7657, 0.4847,  
0.4533

74.6108, 0.3954,  
0.4120

79.5005, 0.3754,  
0.3941

■ 84.7556, 0.3561,  
0.3755

■ 90.3886, 0.3381,  
0.3569

■ 96.4109, 0.3215,  
0.3388

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.



61.9960, 0.4905, 0.3877



61.9960, 0.4530, 0.4507



61.9960, 0.3811, 0.4945

# Triad

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



61.9960, 0.4530, 0.4507



61.9960, 0.1734, 0.3019



61.9960, 0.3081, 0.2213

# Complementary

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



61.9960, 0.4530, 0.4507



21.4535, 0.1832, 0.1475

# 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.



61.9960, 0.2286, 0.1977



61.9960, 0.4530, 0.4507



61.9960, 0.1608, 0.2321

# Square

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



61.9960, 0.4530, 0.4507



61.9960, 0.2201, 0.4015



61.9960, 0.1793, 0.1997



61.9960, 0.4021, 0.2658



# Rectangle

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



61.9960, 0.4530, 0.4507



61.9960, 0.3246, 0.4948



61.9960, 0.1793, 0.1997



61.9960, 0.2787, 0.2108

# Sweetspot

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



61.9938, 0.4530, 0.4507



86.2197, 0.3512, 0.3705



26.0655, 0.4997, 0.2810



18.0312, 0.3579, 0.3773



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.



61.9938, 0.4530, 0.4507



56.6257, 0.4750, 0.4556



86.5299, 0.3840, 0.5107



20.1310, 0.3277, 0.3457



28.3658, 0.4834, 0.4544



2.9519, 0.4743, 0.4616



# Inverse Universe

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



21.4535, 0.1832, 0.1475



14.9710, 0.1662, 0.1122



13.4171, 0.1868, 0.0998



18.2523, 0.2979, 0.3118



6.6501, 0.1606, 0.0983



0.8275, 0.1667, 0.1201



# Previews

## White Background



This preview shows how the Yxy color 61.9960, 0.4530, 0.4507 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 61.9960, 0.4530, 0.4507 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 61.9960, 0.4530, 0.4507**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9960, 0.4530, 0.4507.



This preview shows how white text looks on a background with the Yxy color 61.9960, 0.4530, 0.4507.

# 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

61.9960, 0.4530, 0.4507

### Protanopia

62.1516, 0.4264, 0.4689

### Deuteranopia

61.8971, 0.4412, 0.4337



## Tritanopia

61.8722, 0.3582, 0.3167

# Trichromacy



## Original Color

61.9960, 0.4530, 0.4507

## Protanomaly

62.0699, 0.4357, 0.4629

## Deuteranomaly

61.7570, 0.4460, 0.4399

## Tritanomaly

61.1613, 0.4001, 0.3730

# Monochromacy



## Original Color

61.9960, 0.4530, 0.4507

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.2645, 0.3675, 0.3861

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9960, 0.4530, 0.4507 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, 198, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 62)  
}
```

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, 198, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9960, 0.4530, 0.4507 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, 198, 62) }
```

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

```
.border{ border-color:rgb(255, 198, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9960, 0.4530, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 62) }
```

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

```
.background{ background-color: rgb(255,  
198, 62) }
```

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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