

Converting Colors

$Y_{xy}(65.8042, 0.4501, 0.4630)$

Have a look what the booklet for
Yxy(65.8042, 0.4501, 0.4630)
contains.

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Color

Yxy(65.6329, 0.4504, 0.4627)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE32
RGB	255, 206, 50
RGB Percent	100%, 81%, 20%
CMY	0.0000, 0.1921, 0.8036
CMYK	0.00, 0.19, 0.80, 0.00
HSL	46°, 100%, 60%
HSV	46°, 80%, 100%
XYZ	63.8882, 65.6329, 12.3266
YIQ	202.8670, 79.2800, -38.1280

Conversions

Conversions Part 2

Format	Color
RYB	114, 255, 50
Decimal	16764466
CIELab	84.81, 3.47, 77.06
CIElCh	85, 77.135, 87.422
Yxy	65.6329, 0.4504, 0.4627
Android (android.graphics.Color)	4294954546 (0xFFFFCE32)
YUV	202.8670, -75.3634, 45.7206
Hunter-Lab	81.0141, -1.0087, 47.6887

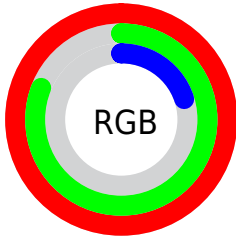
Details

The Yxy color **65.6329, 0.4504, 0.4627** 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 **16.8367, 0.1736, 0.1226**, and the grayscale version is **60.0850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **33.9258, 0.4638, 0.4700** is the 20% darker color. If you saturate the color by 10%, you get **62.5947, 0.4618, 0.4659**, and if you desaturate by 10%, it is **68.9138, 0.4360, 0.4546**.

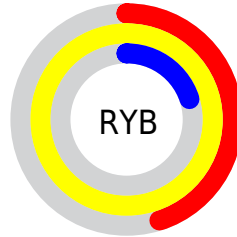
Distribution



Red (100%)

Green (81%)

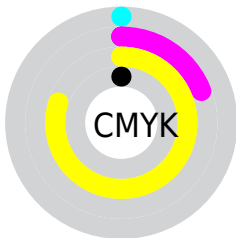
Blue (20%)



Red (45%)

Yellow (100%)

Blue (20%)

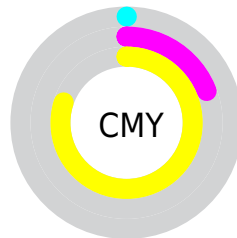


Cyan (0%)

Magenta (19%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6329, 0.4504, 0.4627 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 65.6329, 0.4504, 0.4627 by changing the saturation by 10% instead.


 65.6329, 0.4504,
0.4627


 65.6329, 0.4504,
0.4627


445.0629, 0.3926,
0.4079


 47.9745, 0.4607,
0.4720


 112.9593, 0.4325,
0.4460

 33.8067, 0.4716,
0.4816


 143.3960, 0.4248,
0.4388


 22.7451, 0.4825,
0.4907


 178.8610, 0.4180,
0.4323

 14.4054, 0.4969,
0.5026

 219.7385, 0.4118,
0.4264

 8.4032, 0.4991,
0.5009

 266.4131, 0.4063,
0.4211

 4.3540, 0.5019,
0.4981

319.2691, 0.4013,

 1.8735, 0.5066,

0.4163

0.4934

378.6909, 0.3968,
0.4119

■ 0.5324, 0.5260,
0.4740

■ 0.0000, 0.0000,
0.0000

■ 65.6329, 0.4504,
0.4627

■ 65.6329, 0.4504,
0.4627

■ 62.5947, 0.4618,
0.4659

■ 68.9138, 0.4360,
0.4546

■ 59.8583, 0.4702,
0.4649

■ 72.4468, 0.4194,
0.4421

■ 76.2512, 0.4012,
0.4262

■ 80.3412, 0.3825,
0.4080

■ 84.7296, 0.3638,
0.3884

■ 89.4282, 0.3458,
0.3684

■ 94.4478, 0.3289,
0.3486

99.7988, 0.3133,
0.3297

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



65.6329, 0.4966, 0.3973



65.6329, 0.4504, 0.4627



65.6329, 0.3720, 0.5055

Triad

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



65.6329, 0.4504, 0.4627



65.6329, 0.1637, 0.2881



65.6329, 0.3198, 0.2215

Complementary

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



65.6329, 0.4504, 0.4627



16.8367, 0.1736, 0.1226

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.



65.6329, 0.2335, 0.1941



65.6329, 0.4504, 0.4627



65.6329, 0.1553, 0.2209

Square

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



65.6329, 0.4504, 0.4627



65.6329, 0.2072, 0.3915



65.6329, 0.1784, 0.1922



65.6329, 0.4185, 0.2698

Rectangle

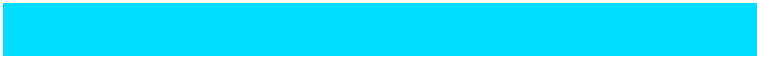
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.6329, 0.4504, 0.4627



65.6329, 0.3126, 0.5007



65.6329, 0.1784, 0.1922



65.6329, 0.2882, 0.2097

Sweetspot

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



65.6361, 0.4504, 0.4627



87.6833, 0.3523, 0.3756



24.4931, 0.5327, 0.2916



18.4105, 0.3587, 0.3828



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.



65.6361, 0.4504, 0.4627



60.9759, 0.4669, 0.4656



84.5549, 0.3780, 0.5224



20.3114, 0.3275, 0.3470



31.5207, 0.4691, 0.4657



3.2374, 0.4622, 0.4712

Inverse Universe

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



16.8367, 0.1736, 0.1226



11.5086, 0.1591, 0.0902



12.2920, 0.1855, 0.0927



18.0827, 0.2979, 0.3104



5.7051, 0.1573, 0.0863



0.7158, 0.1630, 0.1068

Previews

White Background



This preview shows how the Yxy color 65.6329, 0.4504, 0.4627 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 65.6329, 0.4504, 0.4627 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 65.6329, 0.4504, 0.4627

Background



This preview shows how black text looks on a background with the Yxy color 65.6329, 0.4504, 0.4627.



This preview shows how white text looks on a background with the Yxy color 65.6329, 0.4504, 0.4627.

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

65.6329, 0.4504, 0.4627

Protanopia

65.5120, 0.4315, 0.4758

Deuteranopia

65.7301, 0.4185, 0.4165



Tritanopia

65.7466, 0.3509, 0.3178

Trichromacy



Original Color

65.6329, 0.4504, 0.4627

Protanomaly

65.5653, 0.4382, 0.4714

Deuteranomaly

65.7130, 0.4326, 0.4370

Tritanomaly

64.8029, 0.3957, 0.3800

Monochromacy



Original Color

65.6329, 0.4504, 0.4627

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.8219, 0.3697, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6329, 0.4504, 0.4627 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, 206, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 50)  
}
```

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, 206, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 50) }
```

Border

The CSS property to change the border of an element to Yxy 65.6329, 0.4504, 0.4627 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, 206, 50) }
```

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

```
.border{ border-color:rgb(255, 206, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6329, 0.4504, 0.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 50) }
```

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

```
.background{ background-color: rgb(255,  
206, 50) }
```

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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