

Converting Colors

$Y_{xy}(71.5002, 0.5062, 0.3896)$

Have a look what the booklet for
Yxy(71.5002, 0.5062, 0.3896)
contains.

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Color

Yxy(54.2729, 0.4525, 0.4142)

Conversions

Conversions Part 1

Format	Color
Hex	FFB35C
RGB	255, 179, 92
RGB Percent	100%, 70%, 36%
CMY	0.0000, 0.2980, 0.6394
CMYK	0.00, 0.30, 0.64, 0.00
HSL	32°, 100%, 68%
HSV	32°, 64%, 100%
XYZ	59.2914, 54.2729, 17.4664
YIQ	191.8060, 73.2230, -10.9450

Conversions

Conversions Part 2

Format	Color
R_{YB}	234, 255, 92
Decimal	16757596
CIE _{Lab}	78.62, 19.38, 54.47
CIE _{LCh}	79, 57.812, 70.419
Yxy	54.2729, 0.4525, 0.4142
Android (android.graphics.Color)	4294947676 (0xFFFFB35C)
YUV	191.8060, -49.2044, 55.4211
Hunter-Lab	73.6701, 14.7380, 37.5121

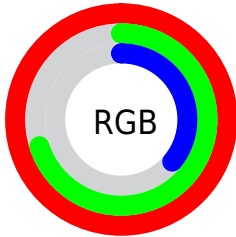
Details

The Yxy color **54.2729, 0.4525, 0.4142** is a light color, and the websafe version is hex **FFCC66**.

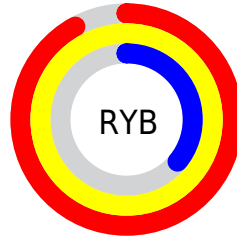
The color can be described as light muted orange. A complement of this color would be **37.4815, 0.2097, 0.2156**, and the grayscale version is **52.8528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7210, 0.3851, 0.4188**, and **26.5442, 0.4839, 0.4269** is the 20% darker color. If you saturate the color by 10%, you get **49.3408, 0.4784, 0.4210**, and if you desaturate by 10%, it is **59.7700, 0.4261, 0.4037**.

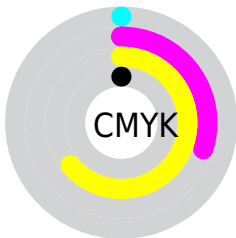
Distribution



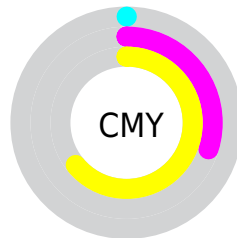
- Red (100%)
- Green (70%)
- Blue (36%)



- Red (92%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (30%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.2729, 0.4525, 0.4142 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 54.2729, 0.4525, 0.4142 by changing the saturation by 10% instead.


 54.2729, 0.4525,
0.4142


 54.2729, 0.4525,
0.4142


403.1498, 0.3867,
0.3785

 38.8199, 0.4668,
0.4205


 96.4748, 0.4300,
0.4031

 26.6196, 0.4838,
0.4271


 123.9925, 0.4211,
0.3984

 17.2878, 0.5038,
0.4332


 156.3006, 0.4134,
0.3942

 10.4399, 0.5271,
0.4374

 193.7833, 0.4067,
0.3904

 5.6916, 0.5590,
0.4410

236.8253, 0.4008,
0.3870

 2.6585, 0.5782,
0.4218

285.8107, 0.3956,

 0.9561, 0.6112,

0.3839

341.1241, 0.3909,
0.3811

0.3888

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

54.2729, 0.4525,
0.4142

54.2729, 0.4525,
0.4142

49.3408, 0.4784,
0.4210

59.7700, 0.4261,
0.4037

44.9411, 0.5024,
0.4228


65.8492, 0.4007,
0.3909


41.0461, 0.5228,
0.4191

72.5342, 0.3769,
0.3767

38.9089, 0.5335,
0.4146

79.8453, 0.3552,
0.3622

 87.8015, 0.3359,
0.3479

 96.4209, 0.3189,
0.3342

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.



54.2729, 0.4633, 0.3584



54.2729, 0.4525, 0.4142



54.2729, 0.4033, 0.4587

Triad

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



54.2729, 0.4525, 0.4142



54.2729, 0.2076, 0.3427



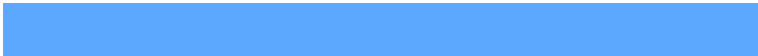
54.2729, 0.2770, 0.2239

Complementary

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



54.2729, 0.4525, 0.4142



37.4815, 0.2097, 0.2156

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.



54.2729, 0.2184, 0.2130



54.2729, 0.4525, 0.4142



54.2729, 0.1824, 0.2703

Square

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



54.2729, 0.4525, 0.4142



54.2729, 0.2616, 0.4231



54.2729, 0.1864, 0.2270



54.2729, 0.3542, 0.2558

Rectangle

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



54.2729, 0.4525, 0.4142



54.2729, 0.3578, 0.4706



54.2729, 0.1864, 0.2270



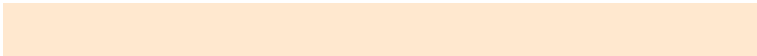
54.2729, 0.2548, 0.2177

Sweetspot

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



54.2751, 0.4525, 0.4142



83.6915, 0.3454, 0.3550



31.7364, 0.4194, 0.2553



17.4323, 0.3510, 0.3592



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.



54.2751, 0.4525, 0.4142



47.9376, 0.4861, 0.4221



92.5358, 0.3979, 0.4784



19.5931, 0.3281, 0.3417



20.6328, 0.5311, 0.4165



2.2277, 0.5149, 0.4294

Inverse Universe

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



37.4815, 0.2097, 0.2156



30.0059, 0.1928, 0.1881



17.4307, 0.1906, 0.1238



18.7735, 0.2979, 0.3160



10.9410, 0.1740, 0.1462



1.2815, 0.1799, 0.1676

Previews

White Background



This preview shows how the Yxy color 54.2729, 0.4525, 0.4142 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 54.2729, 0.4525, 0.4142 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 54.2729, 0.4525, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 54.2729, 0.4525, 0.4142.



This preview shows how white text looks on a background with the Yxy color 54.2729, 0.4525, 0.4142.

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

54.2729, 0.4525, 0.4142

Protanopia

54.3404, 0.4033, 0.4410

Deuteranopia

54.5568, 0.4367, 0.4279



Tritanopia

54.1839, 0.3784, 0.3176

Trichromacy



Original Color

54.2729, 0.4525, 0.4142

Protanomaly

54.0444, 0.4218, 0.4309

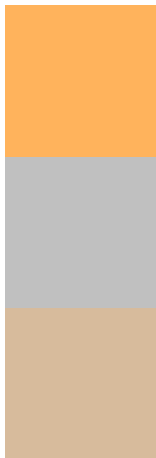
Deuteranomaly

54.2151, 0.4426, 0.4222

Tritanomaly

54.1220, 0.4078, 0.3555

Monochromacy



Original Color

54.2729, 0.4525, 0.4142

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.3880, 0.3622, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2729, 0.4525, 0.4142 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, 179, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 92)  
}
```

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, 179, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 92) }
```

Border

The CSS property to change the border of an element to Yxy 54.2729, 0.4525, 0.4142 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, 179, 92) }
```

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

```
.border{ border-color:rgb(255, 179, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 179, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2729, 0.4525, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 92) }
```

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

```
.background{ background-color: rgb(255,  
179, 92) }
```

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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