

Converting Colors

$Yxy(63.0544, 0.4548, 0.4579)$

Have a look what the booklet for
Yxy(63.0544, 0.4548, 0.4579)
contains.

Yxy(63.2723, 0.4544, 0.4584)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.2723, 0.4544, 0.4584)

Conversions

Conversions Part 1

Format	Color
Hex	FFC933
RGB	255, 201, 51
RGB Percent	100%, 79%, 20%
CMY	0.0001, 0.2117, 0.8001
CMYK	0.00, 0.21, 0.80, 0.00
HSL	44°, 100%, 60%
HSV	44°, 80%, 100%
XYZ	62.7202, 63.2723, 12.0361
YIQ	200.0460, 80.3340, -35.2020

Conversions

Conversions Part 2

Format	Color
R_{YB}	124, 255, 51
Decimal	16763187
CIE Lab	83.59, 6.06, 75.71
CIE LCh	84, 75.956, 85.426
Yxy	63.2723, 0.4544, 0.4584
Android (android.graphics.Color)	4294953267 (0xFFFFC933)
YUV	200.0460, -73.4797, 48.1947
Hunter-Lab	79.5439, 1.5451, 46.7093

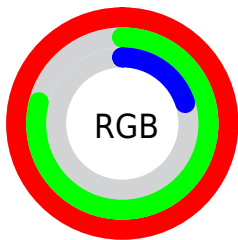
Details

The Yxy color **63.2723, 0.4544, 0.4584** is a light color, and the websafe version is hex **FFCC33**.

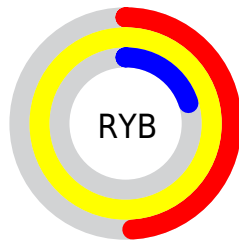
The color can be described as light washed yellow. A complement of this color would be **18.0162, 0.1756, 0.1294**, and the grayscale version is **58.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **32.2049, 0.4690, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **60.0320, 0.4670, 0.4613**, and if you desaturate by 10%, it is **66.7801, 0.4389, 0.4505**.

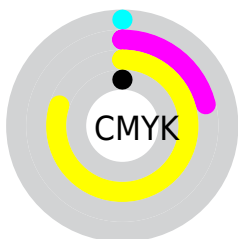
Distribution



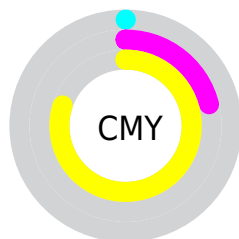
- Red (100%)
- Green (79%)
- Blue (20%)



- Red (49%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (21%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2723, 0.4544, 0.4584 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 63.2723, 0.4544, 0.4584 by changing the saturation by 10% instead.


 63.2723, 0.4544,
0.4584


 63.2723, 0.4544,
0.4584


436.5570, 0.3941,
0.4056

 46.0615, 0.4653,
0.4673


 109.5623, 0.4355,
0.4424

 32.2944, 0.4771,
0.4762


 139.4102, 0.4275,
0.4355


 21.5865, 0.4890,
0.4845


 174.2394, 0.4204,
0.4292

 13.5533, 0.5048,
0.4952

 214.4342, 0.4140,
0.4235

 7.8107, 0.5083,
0.4917

 260.3789, 0.4082,
0.4183

 3.9740, 0.5135,
0.4865

312.4581, 0.4030,

 1.6591, 0.5221,

0.4137

0.4779

371.0560, 0.3984,
0.4094

0.3969, 0.5695,
0.4305

0.0000, 0.0000,
0.0000

63.2723, 0.4544,
0.4584

63.2723, 0.4544,
0.4584

60.0320, 0.4670,
0.4613

66.7801, 0.4389,
0.4505

57.0211, 0.4766,
0.4597

70.5654, 0.4212,
0.4383

74.6477, 0.4022,
0.4228

79.0417, 0.3828,
0.4049

83.7606, 0.3637,
0.3858

88.8165, 0.3454,
0.3664

94.2207, 0.3284,
0.3473

99.9838, 0.3127,
0.3290

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



63.2723, 0.4974, 0.3927



63.2723, 0.4544, 0.4584



63.2723, 0.3777, 0.5036

Triad

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



63.2723, 0.4544, 0.4584



63.2723, 0.1659, 0.2943



63.2723, 0.3134, 0.2192

Complementary

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



63.2723, 0.4544, 0.4584



18.0162, 0.1756, 0.1294

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.



63.2723, 0.2291, 0.1935



63.2723, 0.4544, 0.4584



63.2723, 0.1553, 0.2244

Square

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



63.2723, 0.4544, 0.4584



63.2723, 0.2117, 0.3986



63.2723, 0.1762, 0.1935



63.2723, 0.4120, 0.2663

Rectangle

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



63.2723, 0.4544, 0.4584



63.2723, 0.3186, 0.5022



63.2723, 0.1762, 0.1935



63.2723, 0.2823, 0.2080

Sweetspot

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



63.2754, 0.4544, 0.4584



86.7669, 0.3526, 0.3742



24.6511, 0.5262, 0.2883



18.1881, 0.3591, 0.3811



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.



63.2754, 0.4544, 0.4584



58.2105, 0.4730, 0.4607



85.0709, 0.3803, 0.5202



20.2297, 0.3276, 0.3464



30.0559, 0.4755, 0.4607



3.1054, 0.4676, 0.4669

Inverse Universe

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



18.0162, 0.1756, 0.1294



12.3134, 0.1605, 0.0955



12.2142, 0.1840, 0.0924



18.1592, 0.2979, 0.3110



6.1054, 0.1588, 0.0915



0.7641, 0.1646, 0.1127

Previews

White Background



This preview shows how the Yxy color 63.2723, 0.4544, 0.4584 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 63.2723, 0.4544, 0.4584 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 63.2723, 0.4544, 0.4584

Background



This preview shows how black text looks on a background with the Yxy color 63.2723, 0.4544, 0.4584.



This preview shows how white text looks on a background with the Yxy color 63.2723, 0.4544, 0.4584.

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

63.2723, 0.4544, 0.4584

Protanopia

63.3504, 0.4304, 0.4753

Deuteranopia

63.4504, 0.4332, 0.4288



Tritanopia

63.2711, 0.3559, 0.3178

Trichromacy



Original Color

63.2723, 0.4544, 0.4584

Protanomaly

63.2678, 0.4396, 0.4690

Deuteranomaly

63.1626, 0.4427, 0.4411

Tritanomaly

62.4283, 0.4003, 0.3781

Monochromacy



Original Color

63.2723, 0.4544, 0.4584

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.5995, 0.3702, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2723, 0.4544, 0.4584 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, 201, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 51)  
}
```

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, 201, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 51) }
```

Border

The CSS property to change the border of an element to Yxy 63.2723, 0.4544, 0.4584 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, 201, 51) }
```

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

```
.border{ border-color:rgb(255, 201, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.2723, 0.4544, 0.4584$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 51) }
```

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

```
.background{ background-color: rgb(255,  
201, 51) }
```

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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