

Converting Colors

$Y_{xy}(53.1392, 0.4046, 0.5155)$

Have a look what the booklet for
Yxy(53.1392, 0.4046, 0.5155)
contains.

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Color

Yxy(53.1641, 0.4041, 0.5159)

Conversions

Conversions Part 1

Format	Color
Hex	BACB06
RGB	186, 203, 6
RGB Percent	73%, 80%, 2%
CMY	0.2705, 0.2039, 0.9757
CMYK	0.08, 0.00, 0.97, 0.20
HSL	65°, 94%, 41%
HSV	65°, 97%, 80%
XYZ	41.6430, 53.1641, 8.2441
YIQ	175.4590, 53.1050, -64.8710

Conversions

Conversions Part 2

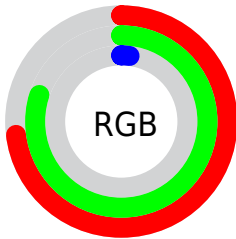
Format	Color
RYB	6, 203, 23
Decimal	12241670
CIELab	77.97, -25.29, 77.41
CIELCh	78, 81.438, 108.096
Yxy	53.1641, 0.4041, 0.5159
Android (android.graphics.Color)	4290431750 (0xFFBACB06)
YUV	175.4590, -83.5433, 9.2445
Hunter-Lab	72.9137, -25.6529, 44.3359

Details

The Yxy color **53.1641, 0.4041, 0.5159** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.6305, 0.1542, 0.0637**, and the grayscale version is **43.5563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7847, 0.3976, 0.4837**, and **26.0841, 0.3951, 0.5245** is the 20% darker color. If you saturate the color by 10%, you get **53.0861, 0.4042, 0.5173**, and if you desaturate by 10%, it is **53.4505, 0.4030, 0.5101**.

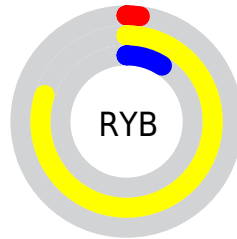
Distribution



Red (73%)

Green (80%)

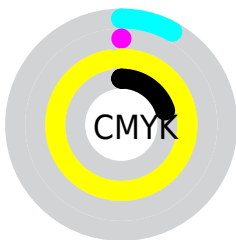
Blue (2%)



Red (2%)

Yellow (80%)

Blue (9%)

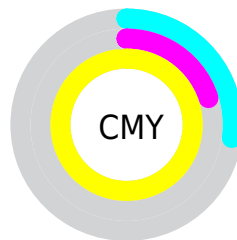


Cyan (8%)

Magenta (0%)

Yellow (97%)

Black (20%)



Cyan (27%)


Magenta (20%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1641, 0.4041, 0.5159 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 53.1641, 0.4041, 0.5159 by changing the saturation by 10% instead.


 53.1641, 0.4041,
0.5159


 53.1641, 0.4041,
0.5159

398.9144, 0.3697,
0.4287


 37.9338, 0.4080,
0.5335


 94.8458, 0.3950,
0.4870


 25.9313, 0.4103,
0.5531


 122.0660, 0.3905,
0.4752

 16.7723, 0.4106,
0.5766


 154.0515, 0.3863,
0.4649

 10.0722, 0.4022,
0.5978

 191.1869, 0.3824,
0.4558

 5.4469, 0.3821,
0.6179

 233.8565, 0.3788,
0.4478

 2.5118, 0.3498,
0.6502

 282.4447, 0.3755,

 0.8825, 0.2005,

0.4407

0.7995

337.3358, 0.3725,
0.4344

0.0000, 0.0000,
0.0000

53.1641, 0.4041,
0.5159

53.1641, 0.4041,
0.5159

53.0861, 0.4042,
0.5173

53.4505, 0.4030,
0.5101

53.8007, 0.3996,
0.5002

54.2297, 0.3935,
0.4858

54.7467, 0.3850,
0.4674

55.3600, 0.3744,
0.4458

■ 56.0764, 0.3622,
0.4218

■ 56.9026, 0.3491,
0.3966

■ 57.8443, 0.3355,
0.3710

■ 58.9071, 0.3219,
0.3459

Harmonies

Analogous

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



53.1641, 0.4844, 0.4511



53.1641, 0.4041, 0.5159



53.1641, 0.3070, 0.5253

Triad

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



53.1641, 0.4041, 0.5159



53.1641, 0.1388, 0.2251



53.1641, 0.3980, 0.2443

Complementary

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



53.1641, 0.4041, 0.5159



4.6305, 0.1542, 0.0637

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.



53.1641, 0.2866, 0.1985



53.1641, 0.4041, 0.5159



53.1641, 0.1535, 0.1834

Square

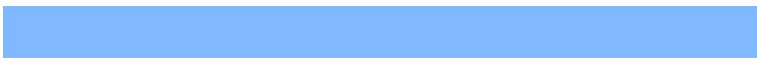
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.1641, 0.4041, 0.5159



53.1641, 0.1579, 0.3139



53.1641, 0.2016, 0.1769



53.1641, 0.4926, 0.3067

Rectangle

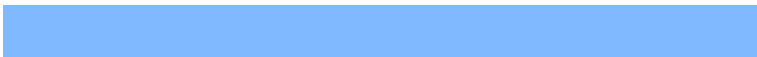
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1641, 0.4041, 0.5159



53.1641, 0.2441, 0.4772



53.1641, 0.2016, 0.1769



53.1641, 0.3599, 0.2267

Sweetspot

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



53.1665, 0.4041, 0.5159



94.9282, 0.3524, 0.4028



13.3068, 0.6288, 0.3352



20.1899, 0.3581, 0.4138



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.



53.1665, 0.4041, 0.5159



88.8437, 0.4040, 0.5174



44.8093, 0.3272, 0.5765



13.0456, 0.3253, 0.3520



33.8041, 0.4044, 0.5171



1.7587, 0.4075, 0.5146

Inverse Universe

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



4.6305, 0.1542, 0.0637



7.3906, 0.1521, 0.0612



8.5110, 0.2219, 0.1008



10.8895, 0.2995, 0.3051



2.8398, 0.1531, 0.0617



0.1629, 0.1631, 0.0672

Previews

White Background



This preview shows how the Yxy color 53.1641, 0.4041, 0.5159 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 53.1641, 0.4041, 0.5159 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 53.1641, 0.4041, 0.5159

Background



This preview shows how black text looks on a background with the Yxy color 53.1641, 0.4041, 0.5159.



This preview shows how white text looks on a background with the Yxy color 53.1641, 0.4041, 0.5159.

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

53.1641, 0.4041, 0.5159

Protanopia

52.8916, 0.4404, 0.4885

Deuteranopia

53.0372, 0.4666, 0.4568



Tritanopia

53.1723, 0.3111, 0.3111

Trichromacy



Original Color

53.1641, 0.4041, 0.5159

Protanomaly

53.0587, 0.4270, 0.4987

Deuteranomaly

52.4225, 0.4446, 0.4786

Tritanomaly

51.9853, 0.3621, 0.4073

Monochromacy



Original Color

53.1641, 0.4041, 0.5159

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

45.4965, 0.3639, 0.4247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1641, 0.4041, 0.5159 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(186, 203, 6)` looks like.

```
.text, #text, p{  
    color:rgb(186, 203, 6)  
}
```

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(186, 203, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 203, 6) }
```

Border

The CSS property to change the border of an element to Yxy 53.1641, 0.4041, 0.5159 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(186, 203, 6) }
```

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

```
.border{ border-color:rgb(186, 203, 6) }
```

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

Here you see how a box with a 4 pixel rgb(186, 203, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 203, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 203, 6);  
box-shadow:4px 4px 4px 4px rgb(186, 203,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1641, 0.4041, 0.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 203, 6) }
```

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

```
.background{ background-color: rgb(186,  
203, 6) }
```

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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