

Converting Colors

$Y_{xy}(35.5983, 0.4426, 0.4716)$

Have a look what the booklet for
Yxy(35.5983, 0.4426, 0.4716)
contains.

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Color

Yxy(35.5919, 0.4426, 0.4716)

Conversions

Conversions Part 1

Format	Color
Hex	BC9F20
RGB	188, 159, 32
RGB Percent	74%, 62%, 13%
CMY	0.2626, 0.3765, 0.8745
CMYK	0.00, 0.15, 0.83, 0.26
HSL	49°, 71%, 43%
HSV	49°, 83%, 74%
XYZ	33.4033, 35.5919, 6.4754
YIQ	153.1930, 58.0510, -33.3490

Conversions

Conversions Part 2

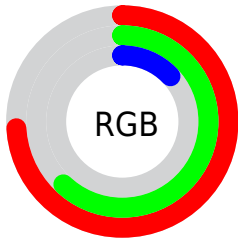
Format	Color
R _{YB}	68, 188, 32
Decimal	12361504
CIE _{Lab}	66.21, -1.49, 63.67
CIE _{LCh}	66, 63.687, 91.343
Yxy	35.5919, 0.4426, 0.4716
Android (android.graphics.Color)	4290551584 (0xFFBC9F20)
YUV	153.1930, -59.7481, 30.5257
Hunter-Lab	59.6589, -4.4604, 35.3259

Details

The Yxy color **35.5919, 0.4426, 0.4716** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **7.2802, 0.1693, 0.1086**, and the grayscale version is **32.1922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2831, 0.4231, 0.4489**, and **15.4710, 0.4516, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **34.3325, 0.4515, 0.4752**, and if you desaturate by 10%, it is **36.9471, 0.4308, 0.4634**.

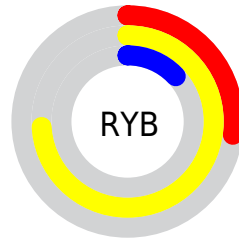
Distribution



Red (74%)

Green (62%)

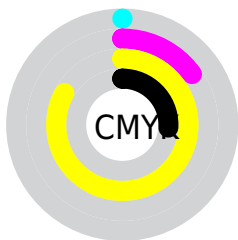
Blue (13%)



Red (27%)

Yellow (74%)

Blue (13%)

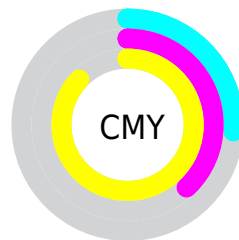


Cyan (0%)

Magenta (15%)

Yellow (83%)

Black (26%)



Cyan (26%)


Magenta (38%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5919, 0.4426, 0.4716 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 35.5919, 0.4426, 0.4716 by changing the saturation by 10% instead.


 35.5919, 0.4426,
0.4716


 35.5919, 0.4426,
0.4716


327.1733, 0.3821,
0.4044


 24.1192, 0.4539,
0.4845


 68.4017, 0.4229,
0.4495

 15.4221, 0.4655,
0.4981


 90.5076, 0.4148,
0.4404


 9.1161, 0.4823,
0.5177


 116.9266, 0.4075,
0.4325

 4.8170, 0.4811,
0.5189

 148.0432, 0.4012,
0.4254

 2.1403, 0.4792,
0.5208

 184.2418, 0.3956,
0.4192

 0.6871, 0.4730,
0.5270

 225.9068, 0.3906,

 0.0000, 0.0000,

0.4137

0.0000

273.4225, 0.3861,
0.4088

■ 35.5919, 0.4426,
0.4716

■ 35.5919, 0.4426,
0.4716

■ 34.3325, 0.4515,
0.4752

■ 36.9471, 0.4308,
0.4634

■ 33.4905, 0.4566,
0.4757

■ 38.4018, 0.4166,
0.4510

■ 39.9654, 0.4006,
0.4350

■ 41.6443, 0.3836,
0.4165

■ 43.4445, 0.3662,
0.3964

■ 45.3714, 0.3491,
0.3756

■ 47.4298, 0.3326,
0.3549

■ 49.6246, 0.3171,
0.3348

■ 51.9600, 0.3028,
0.3157

Harmonies

Analogous

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



35.5919, 0.4951, 0.4065



35.5919, 0.4426, 0.4716



35.5919, 0.3607, 0.5095

Triad

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



35.5919, 0.4426, 0.4716



35.5919, 0.1592, 0.2762



35.5919, 0.3329, 0.2257

Complementary

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



35.5919, 0.4426, 0.4716



7.2802, 0.1693, 0.1086

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.



35.5919, 0.2424, 0.1950



35.5919, 0.4426, 0.4716



35.5919, 0.1551, 0.2138

Square

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



35.5919, 0.4426, 0.4716



35.5919, 0.1981, 0.3776



35.5919, 0.1824, 0.1895



35.5919, 0.4316, 0.2766

Rectangle

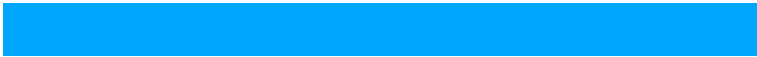
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.5919, 0.4426, 0.4716



35.5919, 0.3005, 0.4977



35.5919, 0.1824, 0.1895



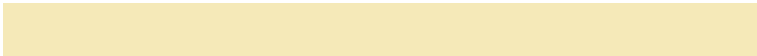
35.5919, 0.3001, 0.2129

Sweetspot

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



35.5936, 0.4426, 0.4716



81.3316, 0.3532, 0.3807



12.0892, 0.5520, 0.3011



17.2247, 0.3592, 0.3880



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.5936, 0.4426, 0.4716



60.3368, 0.4573, 0.4751



41.7652, 0.3709, 0.5292



10.8104, 0.3269, 0.3475



22.8956, 0.4560, 0.4761



0.9764, 0.4458, 0.4843

Inverse Universe

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



7.2802, 0.1693, 0.1086



8.4997, 0.1543, 0.0753



6.3191, 0.1904, 0.0939



9.5050, 0.2984, 0.3098



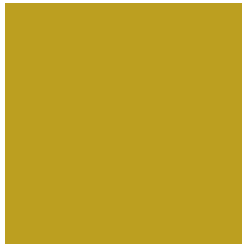
3.3715, 0.1553, 0.0790



0.2204, 0.1670, 0.1211

Previews

White Background



This preview shows how the Yxy color 35.5919, 0.4426, 0.4716 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 35.5919, 0.4426, 0.4716 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 35.5919, 0.4426, 0.4716

Background



This preview shows how black text looks on a background with the Yxy color 35.5919, 0.4426, 0.4716.



This preview shows how white text looks on a background with the Yxy color 35.5919, 0.4426, 0.4716.

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

35.5919, 0.4426, 0.4716

Protanopia

35.4233, 0.4330, 0.4781

Deuteranopia

35.6064, 0.4625, 0.4532



Tritanopia

35.5533, 0.3529, 0.3147

Trichromacy



Original Color

35.5919, 0.4426, 0.4716

Protanomaly

35.4418, 0.4371, 0.4750

Deuteranomaly

35.5698, 0.4558, 0.4591

Tritanomaly

35.1181, 0.3960, 0.3815

Monochromacy



Original Color

35.5919, 0.4426, 0.4716

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6538, 0.3682, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5919, 0.4426, 0.4716 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(188, 159, 32)` looks like.

```
.text, #text, p{  
    color:rgb(188, 159, 32)  
}
```

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(188, 159, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 159, 32) }
```

Border

The CSS property to change the border of an element to Yxy 35.5919, 0.4426, 0.4716 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(188, 159, 32) }
```

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

```
.border{ border-color:rgb(188, 159, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 159, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 159, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 159, 32);  
box-shadow:4px 4px 4px 4px rgb(188, 159,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5919, 0.4426, 0.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 159, 32) }
```

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

```
.background{ background-color: rgb(188,  
159, 32) }
```

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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