

Converting Colors

$Y_{xy}(34.3194, 0.4511, 0.4713)$

Have a look what the booklet for
Yxy(34.3194, 0.4511, 0.4713)
contains.

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Color

Yxy(34.3194, 0.4511, 0.4713)

Conversions

Conversions Part 1

Format	Color
Hex	BD9B16
RGB	189, 155, 22
RGB Percent	74%, 61%, 9%
CMY	0.2589, 0.3921, 0.9138
CMYK	0.00, 0.18, 0.88, 0.26
HSL	48°, 79%, 41%
HSV	48°, 88%, 74%
XYZ	32.8485, 34.3194, 5.6507
YIQ	150.0040, 62.9570, -34.1550

Conversions

Conversions Part 2

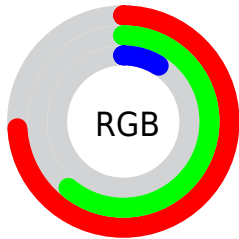
Format	Color
RYB	65, 189, 22
Decimal	12426006
CIELab	65.22, 0.82, 65.43
CIELCh	65, 65.430, 89.285
Yxy	34.3194, 0.4511, 0.4713
Android (android.graphics.Color)	4290616086 (0xFFBD9B16)
YUV	150.0040, -63.1060, 34.1995
Hunter-Lab	58.5828, -2.4315, 35.2890

Details

The Yxy color **34.3194, 0.4511, 0.4713** is a dark color, and the websafe version is hex **CC9900**, and the color name is **gold foil**. A complement of this color would be **6.6668, 0.1644, 0.1004**, and the grayscale version is **30.7535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3652, 0.4302, 0.4501**, and **14.7259, 0.4598, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **33.0107, 0.4593, 0.4724**, and if you desaturate by 10%, it is **35.7225, 0.4402, 0.4659**.

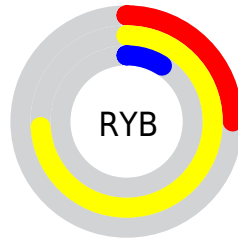
Distribution



Red (74%)

Green (61%)

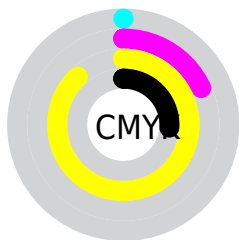
Blue (9%)



Red (25%)

Yellow (74%)

Blue (9%)

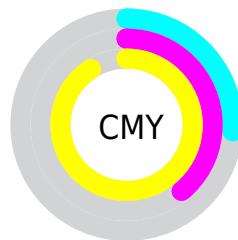


Cyan (0%)

Magenta (18%)

Yellow (88%)

Black (26%)



Cyan (26%)


Magenta (39%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3194, 0.4511, 0.4713 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 34.3194, 0.4511, 0.4713 by changing the saturation by 10% instead.

 34.3194, 0.4511,
0.4713


 34.3194, 0.4511,
0.4713


321.5539, 0.3865,
0.4053


 23.1391, 0.4630,
0.4833


 66.4301, 0.4302,
0.4501


 14.6962, 0.4752,
0.4953


 88.1292, 0.4215,
0.4412


 8.6065, 0.4901,
0.5099


 114.1034, 0.4138,
0.4333

 4.4854, 0.4907,
0.5093

 144.7370, 0.4070,
0.4263

 1.9486, 0.4918,
0.5082

 180.4145, 0.4009,
0.4201

 0.5774, 0.4962,
0.5038

 221.5202, 0.3956,

 0.0000, 0.0000,

0.4147

0.0000

268.4385, 0.3908,
0.4097

■ 34.3194, 0.4511,
0.4713

■ 34.3194, 0.4511,
0.4713

■ 33.0107, 0.4593,
0.4724

■ 35.7225, 0.4402,
0.4659

■ 32.8024, 0.4606,
0.4725

■ 37.2282, 0.4266,
0.4559

■ 38.8466, 0.4109,
0.4420

■ 40.5850, 0.3939,
0.4250

■ 42.4497, 0.3762,
0.4059

■ 44.4465, 0.3586,
0.3857

■ 46.5808, 0.3415,
0.3653

■ 48.8574, 0.3254,
0.3452

■ 51.2812, 0.3103,
0.3259

Harmonies

Analogous

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



34.3194, 0.5033, 0.4028



34.3194, 0.4511, 0.4713



34.3194, 0.3676, 0.5157

Triad

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



34.3194, 0.4511, 0.4713



34.3194, 0.1558, 0.2796



34.3194, 0.3262, 0.2195

Complementary

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



34.3194, 0.4511, 0.4713



6.6668, 0.1644, 0.1004

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.



34.3194, 0.2344, 0.1897



34.3194, 0.4511, 0.4713



34.3194, 0.1496, 0.2127

Square

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



34.3194, 0.4511, 0.4713



34.3194, 0.1980, 0.3875



34.3194, 0.1753, 0.1858



34.3194, 0.4298, 0.2705

Rectangle

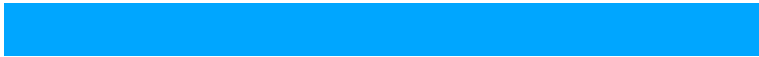
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.3194, 0.4511, 0.4713



34.3194, 0.3056, 0.5084



34.3194, 0.1753, 0.1858



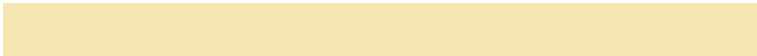
34.3194, 0.2926, 0.2069

Sweetspot

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



34.3211, 0.4511, 0.4713



79.9709, 0.3569, 0.3838



11.6964, 0.5672, 0.3010



16.9276, 0.3629, 0.3908



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.



34.3211, 0.4511, 0.4713



58.4112, 0.4613, 0.4719



42.1650, 0.3729, 0.5341



10.7819, 0.3269, 0.3472



22.1866, 0.4599, 0.4730



0.9540, 0.4485, 0.4821

Inverse Universe

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



6.6668, 0.1644, 0.1004



8.8437, 0.1550, 0.0780



5.5224, 0.1809, 0.0836



9.5313, 0.2984, 0.3102



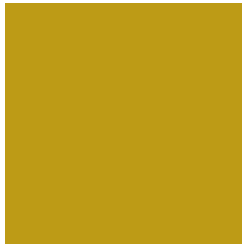
3.5135, 0.1561, 0.0818



0.2319, 0.1684, 0.1261

Previews

White Background



This preview shows how the Yxy color 34.3194, 0.4511, 0.4713 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 34.3194, 0.4511, 0.4713 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 34.3194, 0.4511, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 34.3194, 0.4511, 0.4713.



This preview shows how white text looks on a background with the Yxy color 34.3194, 0.4511, 0.4713.

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

34.3194, 0.4511, 0.4713

Protanopia

34.4418, 0.4362, 0.4824

Deuteranopia

34.1666, 0.4667, 0.4567



Tritanopia

34.1834, 0.3582, 0.3146

Trichromacy



Original Color

34.3194, 0.4511, 0.4713

Protanomaly

34.5829, 0.4414, 0.4783

Deuteranomaly

34.2624, 0.4607, 0.4620

Tritanomaly

33.7107, 0.4045, 0.3842

Monochromacy



Original Color

34.3194, 0.4511, 0.4713

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3283, 0.3732, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3194, 0.4511, 0.4713 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(189, 155, 22)` looks like.

```
.text, #text, p{  
    color:rgb(189, 155, 22)  
}
```

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(189, 155, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 155, 22) }
```

Border

The CSS property to change the border of an element to Yxy 34.3194, 0.4511, 0.4713 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(189, 155, 22) }
```

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

```
.border{ border-color:rgb(189, 155, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 155, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 155, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 155, 22);  
box-shadow:4px 4px 4px 4px rgb(189, 155,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3194, 0.4511, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 155, 22) }
```

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

```
.background{ background-color: rgb(189,  
155, 22) }
```

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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