

Converting Colors

$Y_{xy}(34.8213, 0.4290, 0.4700)$

Have a look what the booklet for
Yxy(34.8213, 0.4290, 0.4700)
contains.

Yxy(34.6890, 0.4289, 0.4695)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6890, 0.4289, 0.4695)

Conversions

Conversions Part 1

Format	Color
Hex	B49F2D
RGB	180, 159, 45
RGB Percent	71%, 62%, 18%
CMY	0.2942, 0.3764, 0.8236
CMYK	0.00, 0.12, 0.75, 0.29
HSL	51°, 60%, 44%
HSV	51°, 75%, 71%
XYZ	31.6893, 34.6890, 7.5067
YIQ	152.2830, 49.1100, -31.0020

Conversions

Conversions Part 2

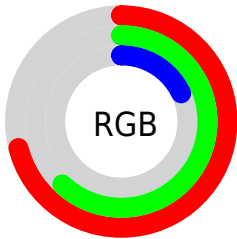
Format	Color
RYB	70, 180, 45
Decimal	11837229
CIELab	65.51, -4.61, 58.52
CIELCh	66, 58.700, 94.507
Yxy	34.6890, 0.4289, 0.4695
Android (android.graphics.Color)	4290027309 (0xFFB49F2D)
YUV	152.2830, -52.8905, 24.3078
Hunter-Lab	58.8974, -7.0299, 33.6714

Details

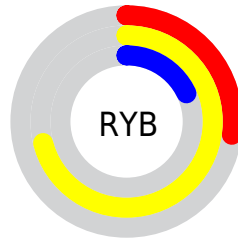
The Yxy color **34.6890, 0.4289, 0.4695** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.7422, 0.1786, 0.1228**, and the grayscale version is **31.7446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8401, 0.4111, 0.4458**, and **14.9361, 0.4417, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **33.6300, 0.4391, 0.4772**, and if you desaturate by 10%, it is **35.8321, 0.4162, 0.4574**.

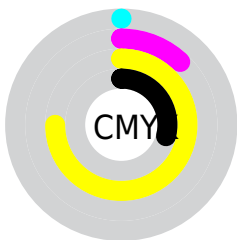
Distribution



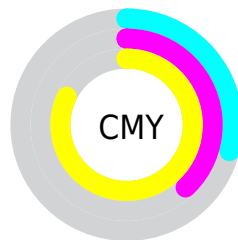
- Red (71%)
- Green (62%)
- Blue (18%)



- Red (27%)
- Yellow (71%)
- Blue (18%)



- Cyan (0%)
- Magenta (12%)
- Yellow (75%)
- Black (29%)





- Cyan (29%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6890, 0.4289, 0.4695 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 34.6890, 0.4289, 0.4695 by changing the saturation by 10% instead.


 34.6890, 0.4289,
0.4695


 34.6890, 0.4289,
0.4695


323.1935, 0.3739,
0.4009


 23.4234, 0.4396,
0.4840


 67.0037, 0.4107,
0.4461


 14.9065, 0.4509,
0.5001

 88.8216, 0.4032,
0.4367

 8.7538, 0.4663,
0.5225


 114.9257, 0.3967,
0.4286

 4.5809, 0.4678,
0.5322

 145.7004, 0.3910,
0.4216

 2.0035, 0.4615,
0.5385

 181.5302, 0.3859,
0.4154

 0.6095, 0.4337,
0.5663

 222.7993, 0.3815,

 0.0000, 0.0000,

0.4100

0.0000

269.8923, 0.3775,
0.4051

■ 34.6890, 0.4289,
0.4695

■ 34.6890, 0.4289,
0.4695

■ 33.6300, 0.4391,
0.4772

■ 35.8321, 0.4162,
0.4574

■ 32.6418, 0.4464,
0.4805

■ 37.0612, 0.4015,
0.4417

■ 32.1659, 0.4496,
0.4812

■ 38.3838, 0.3854,
0.4232

■ 39.8053, 0.3687,
0.4028

■ 41.3304, 0.3519,
0.3815

■ 42.9637, 0.3356,
0.3601

■ 44.7092, 0.3201,
0.3391

■ 46.5708, 0.3056,
0.3191

■ 48.5522, 0.2922,
0.3003

Harmonies

Analogous

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



34.6890, 0.4810, 0.4109



34.6890, 0.4289, 0.4695



34.6890, 0.3505, 0.4969

Triad

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



34.6890, 0.4289, 0.4695



34.6890, 0.1661, 0.2726



34.6890, 0.3419, 0.2360

Complementary

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



34.6890, 0.4289, 0.4695



7.7422, 0.1786, 0.1228

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.



34.6890, 0.2549, 0.2044



34.6890, 0.4289, 0.4695



34.6890, 0.1651, 0.2173

Square

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



34.6890, 0.4289, 0.4695



34.6890, 0.2001, 0.3637



34.6890, 0.1945, 0.1968



34.6890, 0.4319, 0.2862

Rectangle

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



34.6890, 0.4289, 0.4695



34.6890, 0.2938, 0.4793



34.6890, 0.1945, 0.1968



34.6890, 0.3109, 0.2231

Sweetspot

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



34.6907, 0.4289, 0.4695



75.4294, 0.3493, 0.3780



11.9872, 0.5278, 0.3044



16.0826, 0.3552, 0.3857



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.6907, 0.4289, 0.4695



59.8134, 0.4442, 0.4799



37.9698, 0.3661, 0.5191



9.6774, 0.3267, 0.3481



22.5374, 0.4491, 0.4816



0.7695, 0.4396, 0.4892

Inverse Universe

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



7.7422, 0.1786, 0.1228



9.0146, 0.1595, 0.0859



7.3431, 0.2072, 0.1137



8.4362, 0.2985, 0.3092



2.9431, 0.1541, 0.0747



0.1583, 0.1659, 0.1173

Previews

White Background



This preview shows how the Yxy color 34.6890, 0.4289, 0.4695 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 34.6890, 0.4289, 0.4695 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 34.6890, 0.4289, 0.4695

Background



This preview shows how black text looks on a background with the Yxy color 34.6890, 0.4289, 0.4695.



This preview shows how white text looks on a background with the Yxy color 34.6890, 0.4289, 0.4695.

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

34.6890, 0.4289, 0.4695

Protanopia

34.9148, 0.4269, 0.4712

Deuteranopia

34.6260, 0.4561, 0.4459



Tritanopia

34.5367, 0.3435, 0.3129

Trichromacy



Original Color

34.6890, 0.4289, 0.4695

Protanomaly

34.9148, 0.4269, 0.4712

Deuteranomaly

34.6539, 0.4464, 0.4542

Tritanomaly

34.2036, 0.3824, 0.3764

Monochromacy



Original Color

34.6890, 0.4289, 0.4695

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.3163, 0.3600, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6890, 0.4289, 0.4695 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(180, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(180, 159, 45)  
}
```

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(180, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 159, 45) }
```

Border

The CSS property to change the border of an element to Yxy 34.6890, 0.4289, 0.4695 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(180, 159, 45) }
```

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

```
.border{ border-color:rgb(180, 159, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 159, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(180, 159,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6890, 0.4289, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 159, 45) }
```

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

```
.background{ background-color: rgb(180,  
159, 45) }
```

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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