

Converting Colors

$Y_{xy}(30.6395, 0.4211, 0.4721)$

Have a look what the booklet for
Yxy(30.6395, 0.4211, 0.4721)
contains.

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Color

Yxy(30.7529, 0.4210, 0.4720)

Conversions

Conversions Part 1

Format	Color
Hex	A6982D
RGB	166, 152, 45
RGB Percent	65%, 60%, 18%
CMY	0.3490, 0.4039, 0.8236
CMYK	0.00, 0.08, 0.73, 0.35
HSL	53°, 57%, 41%
HSV	53°, 73%, 65%
XYZ	27.4300, 30.7529, 6.9715
YIQ	143.9880, 42.6910, -30.3090

Conversions

Conversions Part 2

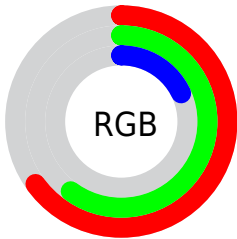
Format	Color
RYB	61, 166, 45
Decimal	10917933
CIELab	62.30, -7.07, 54.99
CIElCh	62, 55.439, 97.331
Yxy	30.7529, 0.4210, 0.4720
Android (android.graphics.Color)	4289108013 (0xFFA6982D)
YUV	143.9880, -48.8011, 19.3045
Hunter-Lab	55.4553, -8.7548, 31.3651

Details

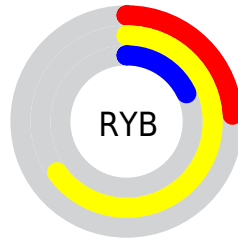
The Yxy color **30.7529, 0.4210, 0.4720** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.4400, 0.1805, 0.1220**, and the grayscale version is **28.0733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8717, 0.4037, 0.4466**, and **12.6224, 0.4337, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **30.0316, 0.4305, 0.4813**, and if you desaturate by 10%, it is **31.5375, 0.4090, 0.4586**.

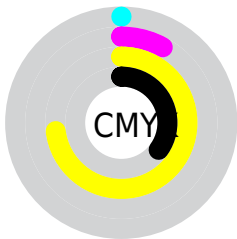
Distribution



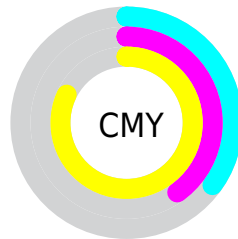
- Red (65%)
- Green (60%)
- Blue (18%)



- Red (24%)
- Yellow (65%)
- Blue (18%)



- Cyan (0%)
- Magenta (8%)
- Yellow (73%)
- Black (35%)





- Cyan (35%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7529, 0.4210, 0.4720 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 30.7529, 0.4210, 0.4720 by changing the saturation by 10% instead.

 30.7529, 0.4210,
0.4720


 30.7529, 0.4210,
0.4720


305.3983, 0.3688,
0.3996

 20.4108, 0.4313,
0.4882


 60.8508, 0.4035,
0.4466

 12.6940, 0.4420,
0.5067

 81.3754, 0.3964,
0.4366


 7.2182, 0.4598,
0.5366


 106.0629, 0.3902,
0.4281

 3.5989, 0.4546,
0.5454

 135.2978, 0.3848,
0.4208

 1.4518, 0.4427,
0.5573

 169.4643, 0.3800,
0.4144

 0.2545, 0.2137,
0.7863

 208.9470, 0.3758,

 0.0000, 0.0000,

0.4089

0.0000

254.1302, 0.3721,
0.4039

■ 30.7529, 0.4210,
0.4720

■ 30.7529, 0.4210,
0.4720

■ 30.0316, 0.4305,
0.4813

■ 31.5375, 0.4090,
0.4586

■ 29.3629, 0.4373,
0.4862

■ 32.3864, 0.3951,
0.4417

■ 28.9106, 0.4411,
0.4880

■ 33.3056, 0.3799,
0.4221

■ 34.2994, 0.3639,
0.4008

■ 35.3715, 0.3478,
0.3788

■ 36.5255, 0.3320,
0.3567

■ 37.7647, 0.3169,
0.3351

■ 39.0921, 0.3028,
0.3145

■ 40.5107, 0.2896,
0.2951

Harmonies

Analogous

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



30.7529, 0.4754, 0.4161



30.7529, 0.4210, 0.4720



30.7529, 0.3424, 0.4935

Triad

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



30.7529, 0.4210, 0.4720



30.7529, 0.1667, 0.2669



30.7529, 0.3503, 0.2413

Complementary

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



30.7529, 0.4210, 0.4720



6.4400, 0.1805, 0.1220

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.



30.7529, 0.2630, 0.2081



30.7529, 0.4210, 0.4720



30.7529, 0.1685, 0.2157

Square

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



30.7529, 0.4210, 0.4720



30.7529, 0.1972, 0.3538



30.7529, 0.2004, 0.1982



30.7529, 0.4369, 0.2923

Rectangle

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



30.7529, 0.4210, 0.4720



30.7529, 0.2867, 0.4713



30.7529, 0.2004, 0.1982



30.7529, 0.3195, 0.2279

Sweetspot

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



30.7544, 0.4210, 0.4720



64.2822, 0.3470, 0.3777



10.3016, 0.5294, 0.3123



14.2688, 0.3511, 0.3834



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.7544, 0.4210, 0.4720



53.7887, 0.4347, 0.4846



31.4335, 0.3596, 0.5184



8.6233, 0.3265, 0.3488



22.4579, 0.4408, 0.4882



0.5868, 0.4328, 0.4945

Inverse Universe

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



6.4400, 0.1805, 0.1220



7.5287, 0.1607, 0.0857



6.8735, 0.2181, 0.1231



7.4353, 0.2986, 0.3084



2.5398, 0.1528, 0.0701



0.1032, 0.1635, 0.1085

Previews

White Background



This preview shows how the Yxy color 30.7529, 0.4210, 0.4720 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 30.7529, 0.4210, 0.4720 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 30.7529, 0.4210, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 30.7529, 0.4210, 0.4720.



This preview shows how white text looks on a background with the Yxy color 30.7529, 0.4210, 0.4720.

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

30.7529, 0.4210, 0.4720

Protanopia

30.7577, 0.4253, 0.4688

Deuteranopia

30.6771, 0.4537, 0.4440



Tritanopia

30.7599, 0.3371, 0.3133

Trichromacy



Original Color

30.7529, 0.4210, 0.4720

Protanomaly

30.6475, 0.4242, 0.4695

Deuteranomaly

30.5868, 0.4425, 0.4534

Tritanomaly

30.5433, 0.3740, 0.3767

Monochromacy



Original Color

30.7529, 0.4210, 0.4720

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.6255, 0.3571, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7529, 0.4210, 0.4720 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(166, 152, 45)` looks like.

```
.text, #text, p{  
    color:rgb(166, 152, 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(166, 152, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 152, 45) }
```

Border

The CSS property to change the border of an element to Yxy 30.7529, 0.4210, 0.4720 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(166, 152, 45) }
```

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

```
.border{ border-color:rgb(166, 152, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 152, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 152, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 152, 45);  
box-shadow:4px 4px 4px 4px rgb(166, 152,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7529, 0.4210, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 152, 45) }
```

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

```
.background{ background-color: rgb(166,  
152, 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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