

Converting Colors

$Y_{xy}(30.7612, 0.4009, 0.5175)$

Have a look what the booklet for
Yxy(30.7612, 0.4009, 0.5175)
contains.

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Color

Yxy(30.6491, 0.4010, 0.5173)

Conversions

Conversions Part 1

Format	Color
Hex	8F9F06
RGB	143, 159, 6
RGB Percent	56%, 62%, 2%
CMY	0.4392, 0.3765, 0.9758
CMYK	0.10, 0.00, 0.96, 0.38
HSL	66°, 93%, 32%
HSV	66°, 96%, 62%
XYZ	23.7585, 30.6491, 4.8406
YIQ	136.7740, 39.5770, -50.9750

Conversions

Conversions Part 2

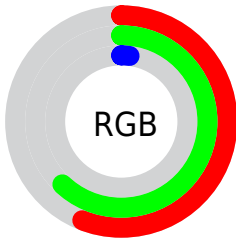
Format	Color
RYB	6, 159, 22
Decimal	9412358
CIELab	62.21, -22.15, 63.99
CIELCh	62, 67.719, 109.090
Yxy	30.6491, 0.4010, 0.5173
Android (android.graphics.Color)	4287602438 (0xFF8F9F06)
YUV	136.7740, -64.4716, 5.4602
Hunter-Lab	55.3616, -20.2793, 33.5691

Details

The Yxy color **30.6491, 0.4010, 0.5173** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.8101, 0.1568, 0.0662**, and the grayscale version is **25.1711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8943, 0.3900, 0.4830**, and **12.7998, 0.3885, 0.5297** is the 20% darker color. If you saturate the color by 10%, you get **30.5794, 0.4012, 0.5196**, and if you desaturate by 10%, it is **30.8450, 0.3997, 0.5103**.

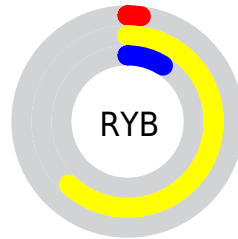
Distribution



Red (56%)

Green (62%)

Blue (2%)



Red (2%)

Yellow (62%)

Blue (9%)

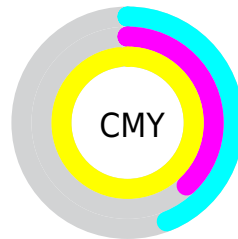


Cyan (10%)

Magenta (0%)

Yellow (96%)

Black (38%)



Cyan (44%)

Magenta (38%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6491, 0.4010, 0.5173 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 30.6491, 0.4010, 0.5173 by changing the saturation by 10% instead.


 30.6491, 0.4010,
0.5173


 30.6491, 0.4010,
0.5173


304.9185, 0.3637,
0.4199

 20.3318, 0.4052,
0.5392


 60.6872, 0.3906,
0.4828


 12.6365, 0.4072,
0.5653

 81.1768, 0.3856,
0.4694


 7.1787, 0.4040,
0.5960


 105.8259, 0.3810,
0.4580

 3.5741, 0.3813,
0.6187

 135.0189, 0.3768,
0.4482

 1.4383, 0.3410,
0.6590

 169.1403, 0.3730,
0.4397

 0.2447, 0.0000,
1.0000

 208.5744, 0.3696,

 0.0000, 0.0000,

0.4322

0.0000

■ 253.7057, 0.3665,
0.4257

■ 30.6491, 0.4010,
0.5173

■ 30.6491, 0.4010,
0.5173

■ 30.5794, 0.4012,
0.5196

■ 30.8450, 0.3997,
0.5103

■ 31.0786, 0.3960,
0.4991

■ 31.3582, 0.3899,
0.4837

■ 31.6889, 0.3814,
0.4646

■ 32.0749, 0.3710,
0.4426

■ 32.5201, 0.3592,
0.4185

■ 33.0280, 0.3466,
0.3935

■ 33.6019, 0.3335,
0.3683

■ 34.2446, 0.3205,
0.3436

Harmonies

Analogous

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



30.6491, 0.4821, 0.4535



30.6491, 0.4010, 0.5173



30.6491, 0.3038, 0.5238

Triad

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



30.6491, 0.4010, 0.5173



30.6491, 0.1389, 0.2232



30.6491, 0.4017, 0.2463

Complementary

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



30.6491, 0.4010, 0.5173



2.8101, 0.1568, 0.0662

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.



30.6491, 0.2900, 0.1997



30.6491, 0.4010, 0.5173



30.6491, 0.1547, 0.1828

Square

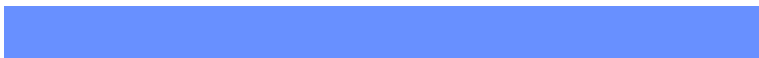
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.6491, 0.4010, 0.5173



30.6491, 0.1568, 0.3102



30.6491, 0.2039, 0.1773



30.6491, 0.4947, 0.3090

Rectangle

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



30.6491, 0.4010, 0.5173



30.6491, 0.2413, 0.4736



30.6491, 0.2039, 0.1773



30.6491, 0.3637, 0.2284

Sweetspot

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



30.6505, 0.4010, 0.5173



58.8207, 0.3510, 0.4022



7.9383, 0.6220, 0.3380



13.1789, 0.3561, 0.4123



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.6505, 0.4010, 0.5173



54.7109, 0.4009, 0.5199



26.0157, 0.3267, 0.5755



7.6851, 0.3246, 0.3512



24.1616, 0.4014, 0.5195



0.4411, 0.4091, 0.5134

Inverse Universe

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



2.8101, 0.1568, 0.0662



4.6495, 0.1533, 0.0618



5.2270, 0.2279, 0.1050



6.4669, 0.3003, 0.3060



2.0783, 0.1545, 0.0625



0.0457, 0.1748, 0.0736

Previews

White Background



This preview shows how the Yxy color 30.6491, 0.4010, 0.5173 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 30.6491, 0.4010, 0.5173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

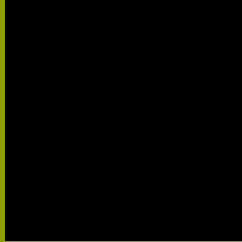
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6491, 0.4010, 0.5173

Background



This preview shows how black text looks on a background with the Yxy color 30.6491, 0.4010, 0.5173.

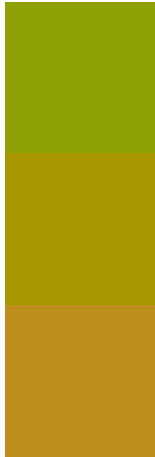


This preview shows how white text looks on a background with the Yxy color 30.6491, 0.4010, 0.5173.

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

30.6491, 0.4010, 0.5173

Protanopia

30.5682, 0.4392, 0.4895

Deuteranopia

30.2440, 0.4651, 0.4558



Tritanopia

30.6516, 0.3094, 0.3123

Trichromacy



Original Color

30.6491, 0.4010, 0.5173

Protanomaly

30.5892, 0.4256, 0.4995

Deuteranomaly

29.9975, 0.4424, 0.4787

Tritanomaly

30.0151, 0.3588, 0.4073

Monochromacy



Original Color

30.6491, 0.4010, 0.5173

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4610, 0.3618, 0.4240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6491, 0.4010, 0.5173 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(143, 159, 6)` looks like.

```
.text, #text, p{  
    color:rgb(143, 159, 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(143, 159, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 159, 6) }
```

Border

The CSS property to change the border of an element to Yxy 30.6491, 0.4010, 0.5173 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(143, 159, 6) }
```

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

```
.border{ border-color:rgb(143, 159, 6) }
```

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

Here you see how a box with a 4 pixel rgb(143, 159, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 159, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 159, 6);  
box-shadow:4px 4px 4px 4px rgb(143, 159,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6491, 0.4010, 0.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 159, 6) }
```

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

```
.background{ background-color: rgb(143,  
159, 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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