

Converting Colors

$Y_{xy}(20.4673, 0.3033, 0.5974)$

Have a look what the booklet for
Yxy(20.4673, 0.3033, 0.5974)
contains.

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Color

Yxy(20.3610, 0.3033, 0.5974)

Conversions

Conversions Part 1

Format	Color
Hex	109100
RGB	16, 145, 0
RGB Percent	6%, 57%, 0%
CMY	0.9378, 0.4313, 1.0000
CMYK	0.89, 0.00, 1.00, 0.43
HSL	113°, 100%, 28%
HSV	113°, 100%, 57%
XYZ	10.3373, 20.3610, 3.3844
YIQ	89.8990, -30.3390, -72.4430

Conversions

Conversions Part 2

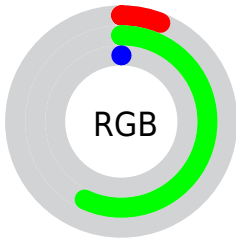
Format	Color
RYB	0, 145, 129
Decimal	1085696
CIELab	52.24, -55.48, 54.78
CIELCh	52, 77.967, 135.367
Yxy	20.3610, 0.3033, 0.5974
Android (android.graphics.Color)	4279275776 (0xFF109100)
YUV	89.8990, -44.3202, -64.8094
Hunter-Lab	45.1232, -38.0729, 27.1392

Details

The Yxy color **20.3610, 0.3033, 0.5974** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **6.7228, 0.2940, 0.1393**, and the grayscale version is **10.2983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9501, 0.3151, 0.5324**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.3619, 0.3033, 0.5974**, and if you desaturate by 10%, it is **20.5440, 0.3052, 0.5855**.

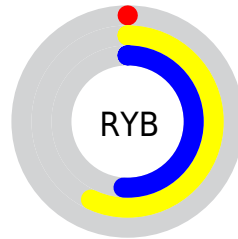
Distribution



Red (6%)

Green (57%)

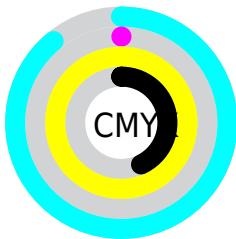
Blue (0%)



Red (0%)

Yellow (57%)

Blue (51%)

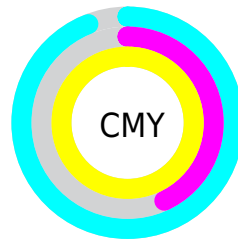


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (94%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3610, 0.3033, 0.5974 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 20.3610, 0.3033, 0.5974 by changing the saturation by 10% instead.


 20.3610, 0.3033,
0.5974

 20.3610, 0.3033,
0.5974


253.8628, 0.3214,
0.4362


 12.6577, 0.2896,
0.6445


 44.0216, 0.3154,
0.5326


 7.1933, 0.2710,
0.7233


 60.7477, 0.3180,
0.5100


 3.5833, 0.2172,
0.7828

 81.2502, 0.3196,
0.4916

 1.4433, 0.0000,
1.0000

 105.9136, 0.3205,
0.4765

 0.2483, 0.0000,
1.0000


 135.1221, 0.3210,
0.4639


 0.0000, 0.0000,
0.0000


 169.2602, 0.3213,

0.4532

 208.7123, 0.3214,
0.4441


 20.3610, 0.3033,
0.5974

 20.3610, 0.3033,
0.5974


 20.3619, 0.3033,
0.5974

 20.5440, 0.3052,
0.5855

 20.8274, 0.3076,
0.5674

 21.2322, 0.3097,
0.5423

 21.7703, 0.3114,
0.5120

 22.4519, 0.3126,
0.4788

■ 23.2866, 0.3133,
0.4450

■ 24.2828, 0.3136,
0.4122

■ 25.4486, 0.3135,
0.3816

■ 26.7913, 0.3132,
0.3538

Harmonies

Analogous

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



20.3610, 0.4209, 0.5509



20.3610, 0.3033, 0.5974



20.3610, 0.1935, 0.4953

Triad

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



20.3610, 0.3033, 0.5974



20.3610, 0.1172, 0.1519



20.3610, 0.5389, 0.2864

Complementary

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



20.3610, 0.3033, 0.5974



6.7228, 0.2940, 0.1393

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.



20.3610, 0.4083, 0.2166



20.3610, 0.3033, 0.5974



20.3610, 0.1674, 0.1437

Square

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



20.3610, 0.3033, 0.5974



20.3610, 0.1028, 0.2007



20.3610, 0.2650, 0.1660



20.3610, 0.5775, 0.3640

Rectangle

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



20.3610, 0.3033, 0.5974



20.3610, 0.1413, 0.3727



20.3610, 0.2650, 0.1660



20.3610, 0.5027, 0.2619

Sweetspot

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



20.3619, 0.3033, 0.5974



43.3622, 0.3136, 0.4142



21.4821, 0.4410, 0.4881



9.4915, 0.3135, 0.4263



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.3619, 0.3033, 0.5974



36.4218, 0.3026, 0.5979



20.5344, 0.2817, 0.5341



6.0559, 0.3132, 0.3516



17.4696, 0.3035, 0.5972



0.1715, 0.3190, 0.5849

Inverse Universe

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



6.7228, 0.2940, 0.1393



11.9919, 0.2935, 0.1390



6.7487, 0.4443, 0.2221



5.4815, 0.3121, 0.3072



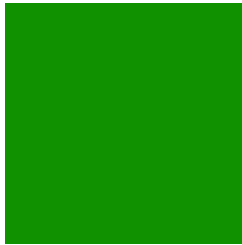
5.7726, 0.2942, 0.1394



0.0607, 0.3083, 0.1472

Previews

White Background



This preview shows how the Yxy color 20.3610, 0.3033, 0.5974 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3610, 0.3033, 0.5974 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 × Fail

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

Yxy 20.3610, 0.3033, 0.5974

Background



This preview shows how black text looks on a background with the Yxy color 20.3610, 0.3033, 0.5974.



This preview shows how white text looks on a background with the Yxy color 20.3610, 0.3033, 0.5974.

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

20.3610, 0.3033, 0.5974

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

20.1237, 0.4576, 0.4506



Tritanopia

20.4274, 0.2379, 0.3069

Trichromacy



Original Color

20.3610, 0.3033, 0.5974

Protanomaly

18.9354, 0.3719, 0.5429

Deuteranomaly

18.4921, 0.3832, 0.5184

Tritanomaly

19.8134, 0.2693, 0.4342

Monochromacy



Original Color

20.3610, 0.3033, 0.5974

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

12.5040, 0.3131, 0.4681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3610, 0.3033, 0.5974 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(16, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(16, 145, 0)  
}
```

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(16, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3610, 0.3033, 0.5974 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(16, 145, 0) }
```

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

```
.border{ border-color:rgb(16, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(16, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(16, 145, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3610, 0.3033, 0.5974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 145, 0) }
```

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

```
.background{ background-color: rgb(16, 145,  
0) }
```

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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