

Converting Colors

$Y_{xy}(30.8130, 0.3025, 0.5962)$

Have a look what the booklet for
Yxy(30.8130, 0.3025, 0.5962)
contains.

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Color

Yxy(30.8174, 0.3025, 0.5961)

Conversions

Conversions Part 1

Format	Color
Hex	14AF04
RGB	20, 175, 4
RGB Percent	8%, 69%, 2%
CMY	0.9221, 0.3137, 0.9838
CMYK	0.89, 0.00, 0.98, 0.31
HSL	114°, 95%, 35%
HSV	114°, 98%, 69%
XYZ	15.6388, 30.8174, 5.2422
YIQ	109.1610, -37.4890, -86.0410

Conversions

Conversions Part 2

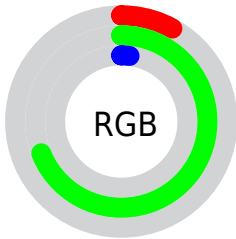
Format	Color
RYB	4, 175, 159
Decimal	1355524
CIELab	62.35, -63.75, 62.33
CIELCh	62, 89.157, 135.642
Yxy	30.8174, 0.3025, 0.5961
Android (android.graphics.Color)	4279545604 (0xFF14AF04)
YUV	109.1610, -51.8444, -78.1942
Hunter-Lab	55.5134, -46.8630, 33.2606

Details

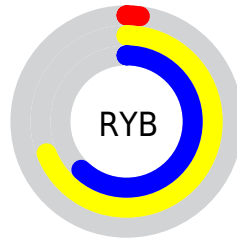
The Yxy color **30.8174, 0.3025, 0.5961** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **10.5842, 0.2985, 0.1427**, and the grayscale version is **15.4921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0017, 0.3137, 0.5386**, and **13.6747, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.7735, 0.3022, 0.5982**, and if you desaturate by 10%, it is **31.0895, 0.3045, 0.5847**.

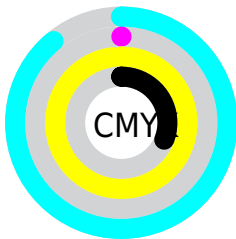
Distribution



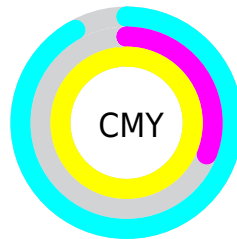
- Red (8%)
- Green (69%)
- Blue (2%)



- Red (2%)
- Yellow (69%)
- Blue (62%)



- Cyan (89%)
- Magenta (0%)
- Yellow (98%)
- Black (31%)




- Cyan (92%)
- Magenta (31%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8174, 0.3025, 0.5961 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 30.8174, 0.3025, 0.5961 by changing the saturation by 10% instead.

 30.8174, 0.3025,
0.5961


 30.8174, 0.3025,
0.5961


305.6962, 0.3208,
0.4447


 20.4598, 0.2911,
0.6365

 60.9525, 0.3137,
0.5381


 12.7297, 0.2720,
0.6877


 81.4988, 0.3164,
0.5170


 7.2427, 0.2412,
0.7588


 106.2101, 0.3182,
0.4996

 3.6144, 0.1805,
0.8195

 135.4709, 0.3193,
0.4850

 1.4603, 0.0000,
1.0000

 169.6655, 0.3200,
0.4726


 0.2605, 0.0000,
1.0000


 209.1783, 0.3204,

 0.0000, 0.0000,


0.4620

0.0000


 254.3938, 0.3207,
0.4528


 30.8174, 0.3025,
0.5961


 30.8174, 0.3025,
0.5961

 30.7735, 0.3022,
0.5982

 31.0895, 0.3045,
0.5847

 31.5303, 0.3067,
0.5656

 32.1662, 0.3087,
0.5393

 33.0167, 0.3104,
0.5079

 34.0987, 0.3116,
0.4738

■ 35.4276, 0.3124,
0.4393

■ 37.0174, 0.3129,
0.4062

■ 38.8810, 0.3130,
0.3756

■ 41.0305, 0.3129,
0.3480

Harmonies

Analogous

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



30.8174, 0.4198, 0.5512



30.8174, 0.3025, 0.5961



30.8174, 0.1931, 0.4929

Triad

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



30.8174, 0.3025, 0.5961



30.8174, 0.1180, 0.1521



30.8174, 0.5388, 0.2873

Complementary

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



30.8174, 0.3025, 0.5961



10.5842, 0.2985, 0.1427

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.



30.8174, 0.4093, 0.2175



30.8174, 0.3025, 0.5961



30.8174, 0.1685, 0.1443

Square

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



30.8174, 0.3025, 0.5961



30.8174, 0.1033, 0.2005



30.8174, 0.2663, 0.1668



30.8174, 0.5765, 0.3649

Rectangle

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



30.8174, 0.3025, 0.5961



30.8174, 0.1413, 0.3710



30.8174, 0.2663, 0.1668



30.8174, 0.5031, 0.2629

Sweetspot

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



30.8187, 0.3025, 0.5961



65.7254, 0.3128, 0.4122



33.5497, 0.4368, 0.4899



14.3387, 0.3127, 0.4260



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.8187, 0.3025, 0.5961



55.0691, 0.3018, 0.5986



31.1632, 0.2804, 0.5274



8.9733, 0.3129, 0.3523



22.0488, 0.3026, 0.5980



0.6244, 0.3133, 0.5895

Inverse Universe

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



10.5842, 0.2985, 0.1427



18.6733, 0.2976, 0.1413



10.2586, 0.4491, 0.2263



8.1100, 0.3123, 0.3065



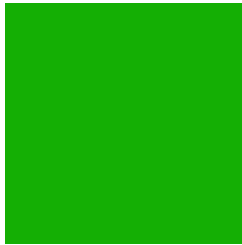
7.5011, 0.2982, 0.1417



0.2193, 0.3056, 0.1457

Previews

White Background



This preview shows how the Yxy color 30.8174, 0.3025, 0.5961 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 30.8174, 0.3025, 0.5961 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 30.8174, 0.3025, 0.5961

Background



This preview shows how black text looks on a background with the Yxy color 30.8174, 0.3025, 0.5961.



This preview shows how white text looks on a background with the Yxy color 30.8174, 0.3025, 0.5961.

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

30.8174, 0.3025, 0.5961

Protanopia

30.2477, 0.4404, 0.4885

Deuteranopia

30.1773, 0.4593, 0.4506



Tritanopia

30.8248, 0.2373, 0.3069

Trichromacy



Original Color

30.8174, 0.3025, 0.5961



Protanomaly

28.4455, 0.3714, 0.5424



Deuteranomaly

27.6978, 0.3835, 0.5183



Tritanomaly

29.6646, 0.2680, 0.4314

Monochromacy



Original Color

30.8174, 0.3025, 0.5961



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.8078, 0.3121, 0.4664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8174, 0.3025, 0.5961 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(20, 175, 4)` looks like.

```
.text, #text, p{  
    color:rgb(20, 175, 4)  
}
```

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(20, 175, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 175, 4) }
```

Border

The CSS property to change the border of an element to Yxy 30.8174, 0.3025, 0.5961 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(20, 175, 4) }
```

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

```
.border{ border-color:rgb(20, 175, 4) }
```

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

Here you see how a box with a 4 pixel rgb(20, 175, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 175, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 175, 4);  
box-shadow:4px 4px 4px 4px rgb(20, 175, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.8174, 0.3025, 0.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 175, 4) }
```

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

```
.background{ background-color: rgb(20, 175,  
4) }
```

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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