

Converting Colors

$Y_{xy}(30.5477, 0.3172, 0.5794)$

Have a look what the booklet for
Yxy(30.5477, 0.3172, 0.5794)
contains.

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Color

Yxy(30.5002, 0.3172, 0.5792)

Conversions

Conversions Part 1

Format	Color
Hex	3CAC0F
RGB	60, 172, 15
RGB Percent	24%, 67%, 6%
CMY	0.7646, 0.3255, 0.9415
CMYK	0.65, 0.00, 0.91, 0.33
HSL	103°, 84%, 37%
HSV	103°, 91%, 67%
XYZ	16.7035, 30.5002, 5.4555
YIQ	120.6140, -16.3550, -72.5710

Conversions

Conversions Part 2

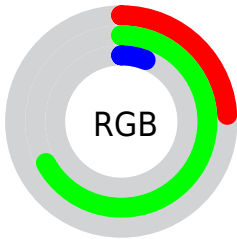
Format	Color
RYB	15, 172, 127
Decimal	3976207
CIELab	62.08, -56.50, 60.89
CIELCh	62, 83.070, 132.857
Yxy	30.5002, 0.3172, 0.5792
Android (android.graphics.Color)	4282166287 (0xFF3CAC0F)
YUV	120.6140, -52.0677, -53.1585
Hunter-Lab	55.2270, -42.6596, 32.8020

Details

The Yxy color **30.5002, 0.3172, 0.5792** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.8216, 0.2561, 0.1225**, and the grayscale version is **19.1658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2036, 0.3246, 0.5250**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.1683, 0.3133, 0.5894**, and if you desaturate by 10%, it is **30.9996, 0.3212, 0.5622**.

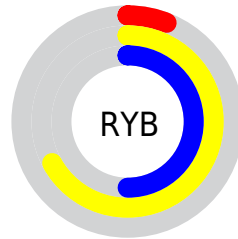
Distribution



Red (24%)

Green (67%)

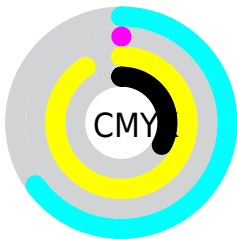
Blue (6%)



Red (6%)

Yellow (67%)

Blue (50%)

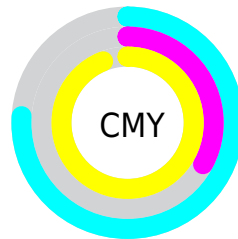


Cyan (65%)

Magenta (0%)

Yellow (91%)

Black (33%)



Cyan (76%)

Magenta (33%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5002, 0.3172, 0.5792 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 30.5002, 0.3172, 0.5792 by changing the saturation by 10% instead.

 30.5002, 0.3172,
0.5792


 30.5002, 0.3172,
0.5792


304.2291, 0.3265,
0.4383

 20.2186, 0.3086,
0.6166


 60.4523, 0.3247,
0.5254


 12.5540, 0.2930,
0.6639


 80.8916, 0.3262,
0.5058

 7.1222, 0.2678,
0.7322


 105.4855, 0.3269,
0.4896

 3.5386, 0.2114,
0.7886

 134.6185, 0.3272,
0.4759

 1.4190, 0.0000,
1.0000

 168.6750, 0.3272,
0.4644

 0.2306, 0.0000,
1.0000

 208.0393, 0.3271,

 0.0000, 0.0000,

0.4544

0.0000

■ 253.0959, 0.3268,
0.4458

■ 30.5002, 0.3172,
0.5792

■ 30.5002, 0.3172,
0.5792

■ 30.1683, 0.3133,
0.5894

■ 30.9996, 0.3212,
0.5622

■ 31.6406, 0.3240,
0.5390

■ 32.4364, 0.3254,
0.5108

■ 33.3974, 0.3254,
0.4796

■ 34.5330, 0.3242,
0.4473

■ 35.8519, 0.3222,
0.4155

■ 37.3620, 0.3195,
0.3853

■ 39.0709, 0.3164,
0.3574

■ 40.9858, 0.3132,
0.3321

Harmonies

Analogous

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



30.5002, 0.4288, 0.5344



30.5002, 0.3172, 0.5792



30.5002, 0.2099, 0.4950

Triad

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



30.5002, 0.3172, 0.5792



30.5002, 0.1236, 0.1631



30.5002, 0.5165, 0.2846

Complementary

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



30.5002, 0.3172, 0.5792



7.8216, 0.2561, 0.1225

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.



30.5002, 0.3907, 0.2178



30.5002, 0.3172, 0.5792



30.5002, 0.1694, 0.1518

Square

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



30.5002, 0.3172, 0.5792



30.5002, 0.1126, 0.2156



30.5002, 0.2588, 0.1710



30.5002, 0.5635, 0.3600

Rectangle

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



30.5002, 0.3172, 0.5792



30.5002, 0.1564, 0.3848



30.5002, 0.2588, 0.1710



30.5002, 0.4804, 0.2609

Sweetspot

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



30.5015, 0.3172, 0.5792



66.0497, 0.3212, 0.4037



23.4415, 0.4737, 0.4548



14.1659, 0.3220, 0.4138



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.5015, 0.3172, 0.5792



54.6317, 0.3123, 0.5902



29.8062, 0.2925, 0.5644



9.0466, 0.3158, 0.3521



22.4747, 0.3140, 0.5889



0.6533, 0.3382, 0.5697

Inverse Universe

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



7.8216, 0.2561, 0.1225



12.8721, 0.2485, 0.1142



11.0211, 0.3723, 0.1868



8.0308, 0.3093, 0.3063



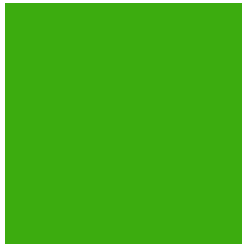
5.3572, 0.2504, 0.1153



0.1750, 0.2728, 0.1276

Previews

White Background



This preview shows how the Yxy color 30.5002, 0.3172, 0.5792 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 30.5002, 0.3172, 0.5792 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 30.5002, 0.3172, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 30.5002, 0.3172, 0.5792.



This preview shows how white text looks on a background with the Yxy color 30.5002, 0.3172, 0.5792.

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

30.5002, 0.3172, 0.5792

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.7610, 0.4589, 0.4495



Tritanopia

30.3829, 0.2469, 0.3071

Trichromacy



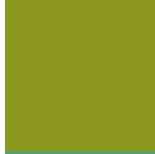
Original Color

30.5002, 0.3172, 0.5792



Protanomaly

28.7920, 0.3877, 0.5281



Deuteranomaly

28.2129, 0.3998, 0.5024



Tritanomaly

29.5173, 0.2802, 0.4191

Monochromacy



Original Color

30.5002, 0.3172, 0.5792



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.0180, 0.3245, 0.4452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5002, 0.3172, 0.5792 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(60, 172, 15)` looks like.

```
.text, #text, p{  
    color:rgb(60, 172, 15)  
}
```

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(60, 172, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 172, 15) }
```

Border

The CSS property to change the border of an element to Yxy 30.5002, 0.3172, 0.5792 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(60, 172, 15) }
```

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

```
.border{ border-color:rgb(60, 172, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 172, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 172, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 172, 15);  
box-shadow:4px 4px 4px 4px rgb(60, 172,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5002, 0.3172, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 172, 15) }
```

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

```
.background{ background-color: rgb(60, 172,  
15) }
```

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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