

Converting Colors

$Y_{xy}(18.3612, 0.2994, 0.5772)$

Have a look what the booklet for
Yxy(18.3612, 0.2994, 0.5772)
contains.

Yxy(18.3916, 0.2996, 0.5775)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(18.3916, 0.2996, 0.5775)$

Conversions

Conversions Part 1

Format	Color
Hex	148A18
RGB	20, 138, 24
RGB Percent	8%, 54%, 9%
CMY	0.9218, 0.4588, 0.9057
CMYK	0.86, 0.00, 0.83, 0.46
HSL	122°, 75%, 31%
HSV	122°, 86%, 54%
XYZ	9.5413, 18.3916, 3.9140
YIQ	89.7220, -33.7340, -60.4700

Conversions

Conversions Part 2

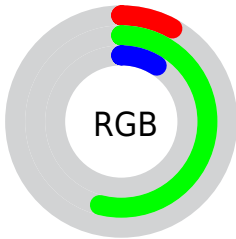
Format	Color
R_{YB}	20, 134, 138
Decimal	1346072
CIE Lab	49.97, -51.97, 47.73
CIE LCh	50, 70.560, 137.432
Yxy	18.3916, 0.2996, 0.5775
Android (android.graphics.Color)	4279536152 (0xFF148A18)
YUV	89.7220, -32.4009, -61.1462
Hunter-Lab	42.8854, -35.3360, 24.6086

Details

The Yxy color **18.3916, 0.2996, 0.5775** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.6199, 0.3278, 0.1662**, and the grayscale version is **10.2361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8636, 0.3109, 0.5152**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2413, 0.2994, 0.5921**, and if you desaturate by 10%, it is **18.6497, 0.3002, 0.5554**.

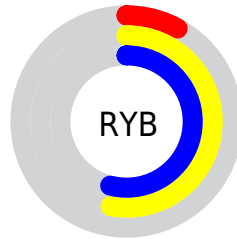
Distribution



Red (8%)

Green (54%)

Blue (9%)



Red (8%)

Yellow (53%)

Blue (54%)

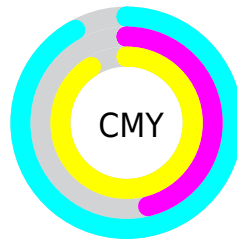


Cyan (86%)

Magenta (0%)

Yellow (83%)

Black (46%)



Cyan (92%)


Magenta (46%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3916, 0.2996, 0.5775 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 18.3916, 0.2996, 0.5775 by changing the saturation by 10% instead.


 18.3916, 0.2996,
0.5775


 18.3916, 0.2996,
0.5775


243.0691, 0.3174,
0.4251


 11.2315, 0.2870,
0.6252


 40.7035, 0.3108,
0.5146


 6.2228, 0.2676,
0.7013

 56.6240, 0.3134,
0.4932


 2.9810, 0.2183,
0.7817

 76.2336, 0.3149,
0.4761

 1.1218, 0.0000,
1.0000

 99.9164, 0.3160,
0.4621


 0.0000, 0.0000,
0.0000


 128.0570, 0.3166,
0.4504

 161.0397, 0.3170,

0.4407


 199.2490, 0.3172,
0.4323


 18.3916, 0.2996,
0.5775


 18.3916, 0.2996,
0.5775


 18.2413, 0.2994,
0.5921


 18.6497, 0.3002,
0.5554

 18.1886, 0.2991,
0.5969

 19.0317, 0.3013,
0.5271

 19.5514, 0.3027,
0.4949

 20.2202, 0.3045,
0.4611

 21.0484, 0.3064,
0.4277

■ 22.0453, 0.3083,
0.3962

■ 23.2196, 0.3101,
0.3675

■ 24.5792, 0.3118,
0.3419

■ 26.1318, 0.3134,
0.3194

Harmonies

Analogous

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



18.3916, 0.4124, 0.5471



18.3916, 0.2996, 0.5775



18.3916, 0.1953, 0.4721

Triad

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



18.3916, 0.2996, 0.5775



18.3916, 0.1275, 0.1585



18.3916, 0.5311, 0.2954

Complementary

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



18.3916, 0.2996, 0.5775



7.6199, 0.3278, 0.1662

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.



18.3916, 0.4128, 0.2266



18.3916, 0.2996, 0.5775



18.3916, 0.1794, 0.1522

Square

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



18.3916, 0.2996, 0.5775



18.3916, 0.1114, 0.2035



18.3916, 0.2765, 0.1758



18.3916, 0.5631, 0.3720

Rectangle

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



18.3916, 0.2996, 0.5775



18.3916, 0.1465, 0.3597



18.3916, 0.2765, 0.1758



18.3916, 0.4989, 0.2713

Sweetspot

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



18.3924, 0.2996, 0.5775



38.6660, 0.3081, 0.3993



23.3023, 0.4097, 0.5010



8.5510, 0.3075, 0.4084



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.3924, 0.2996, 0.5775



32.0538, 0.2994, 0.5977



18.9493, 0.2658, 0.4607



5.6109, 0.3112, 0.3507



16.6759, 0.2991, 0.5967



0.1111, 0.2949, 0.5816

Inverse Universe

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



7.6199, 0.3278, 0.1662



12.5134, 0.3298, 0.1590



6.4103, 0.4674, 0.2496



5.1260, 0.3142, 0.3082



6.5120, 0.3296, 0.1589



0.0437, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 18.3916, 0.2996, 0.5775 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 18.3916, 0.2996, 0.5775 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 18.3916, 0.2996, 0.5775

Background



This preview shows how black text looks on a background with the Yxy color 18.3916, 0.2996, 0.5775.



This preview shows how white text looks on a background with the Yxy color 18.3916, 0.2996, 0.5775.

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

18.3916, 0.2996, 0.5775

Protanopia

17.9904, 0.4339, 0.4799

Deuteranopia

18.0242, 0.4507, 0.4426



Tritanopia

18.2631, 0.2385, 0.3059

Trichromacy



Original Color

18.3916, 0.2996, 0.5775

Protanomaly

16.9967, 0.3685, 0.5271

Deuteranomaly

16.5513, 0.3781, 0.5015

Tritanomaly

17.9235, 0.2637, 0.4113

Monochromacy



Original Color

18.3916, 0.2996, 0.5775

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

12.0326, 0.3064, 0.4378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3916, 0.2996, 0.5775 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, 138, 24)` looks like.

```
.text, #text, p{  
    color:rgb(20, 138, 24)  
}
```

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, 138, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 138, 24) }
```

Border

The CSS property to change the border of an element to Yxy 18.3916, 0.2996, 0.5775 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, 138, 24) }
```

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

```
.border{ border-color:rgb(20, 138, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 138, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 138, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 138, 24);  
box-shadow:4px 4px 4px 4px rgb(20, 138,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3916, 0.2996, 0.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 138, 24) }
```

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

```
.background{ background-color: rgb(20, 138,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor