

Converting Colors

$Y_{xy}(18.2486, 0.2978, 0.5790)$

Have a look what the booklet for
Yxy(18.2486, 0.2978, 0.5790)
contains.

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Color

Yxy(18.3363, 0.2978, 0.5789)

Conversions

Conversions Part 1

Format	Color
Hex	0E8A18
RGB	14, 138, 24
RGB Percent	5%, 54%, 9%
CMY	0.9457, 0.4588, 0.9059
CMYK	0.90, 0.00, 0.83, 0.46
HSL	125°, 82%, 30%
HSV	125°, 90%, 54%
XYZ	9.4326, 18.3363, 3.9055
YIQ	87.9280, -37.3100, -61.7420

Conversions

Conversions Part 2

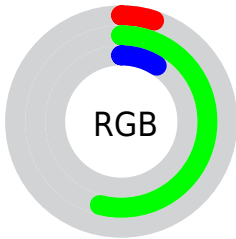
Format	Color
R_{YB}	14, 129, 138
Decimal	952856
CIE _{Lab}	49.90, -52.57, 47.67
CIE _{LCh}	50, 70.959, 137.800
Yxy	18.3363, 0.2978, 0.5789
Android (android.graphics.Color)	4279142936 (0xFF0E8A18)
YUV	87.9280, -31.5165, -64.8349
Hunter-Lab	42.8209, -35.6164, 24.5671

Details

The Yxy color **18.3363, 0.2978, 0.5789** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.2690, 0.3393, 0.1698**, and the grayscale version is **9.8090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7647, 0.3097, 0.5159**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2042, 0.2980, 0.5927**, and if you desaturate by 10%, it is **18.5524, 0.2976, 0.5584**.

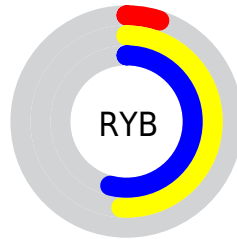
Distribution



Red (5%)

Green (54%)

Blue (9%)



Red (5%)

Yellow (51%)

Blue (54%)

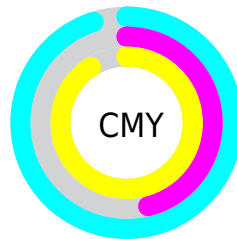


Cyan (90%)

Magenta (0%)

Yellow (83%)

Black (46%)



Cyan (95%)


Magenta (46%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3363, 0.2978, 0.5789 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 18.3363, 0.2978, 0.5789 by changing the saturation by 10% instead.


 18.3363, 0.2978,
0.5789


 18.3363, 0.2978,
0.5789


242.7598, 0.3167,
0.4254


 11.1917, 0.2848,
0.6270


 40.6095, 0.3095,
0.5155


 6.1959, 0.2650,
0.7041

 56.5070, 0.3122,
0.4939

 2.9646, 0.2148,
0.7852

 76.0908, 0.3139,
0.4767

 1.1133, 0.0000,
1.0000


 99.7454, 0.3150,
0.4626


 0.0000, 0.0000,
0.0000

 127.8553, 0.3157,
0.4509


 160.8047, 0.3162,


0.4411


 198.9781, 0.3165,
0.4327


 18.3363, 0.2978,
0.5789


 18.3363, 0.2978,
0.5789


 18.2042, 0.2980,
0.5927

 18.5524, 0.2976,
0.5584

 18.2038, 0.2980,
0.5927

 18.8844, 0.2981,
0.5320

 19.3463, 0.2993,
0.5015

 19.9499, 0.3011,
0.4690

 20.7054, 0.3032,
0.4367

■ 21.6222, 0.3056,
0.4058

■ 22.7089, 0.3080,
0.3773

■ 23.9736, 0.3104,
0.3516

■ 25.4237, 0.3127,
0.3289

Harmonies

Analogous

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



18.3363, 0.4112, 0.5490



18.3363, 0.2978, 0.5789



18.3363, 0.1934, 0.4711

Triad

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



18.3363, 0.2978, 0.5789



18.3363, 0.1271, 0.1574



18.3363, 0.5334, 0.2959

Complementary

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



18.3363, 0.2978, 0.5789



7.2690, 0.3393, 0.1698

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.



18.3363, 0.4151, 0.2268



18.3363, 0.2978, 0.5789



18.3363, 0.1796, 0.1515

Square

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



18.3363, 0.2978, 0.5789



18.3363, 0.1106, 0.2018



18.3363, 0.2777, 0.1756



18.3363, 0.5643, 0.3728

Rectangle

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



18.3363, 0.2978, 0.5789



18.3363, 0.1449, 0.3578



18.3363, 0.2777, 0.1756



18.3363, 0.5014, 0.2717

Sweetspot

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



18.3371, 0.2978, 0.5789



38.5381, 0.3062, 0.3987



22.9348, 0.4061, 0.5081



8.5279, 0.3055, 0.4073



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.



18.3371, 0.2978, 0.5789



32.0734, 0.2985, 0.5944



18.9145, 0.2634, 0.4580



5.6144, 0.3106, 0.3497



16.6895, 0.2979, 0.5924



0.1116, 0.2886, 0.5589

Inverse Universe

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



7.2690, 0.3393, 0.1698



12.2018, 0.3425, 0.1660



6.1271, 0.4908, 0.2577



5.1221, 0.3149, 0.3092



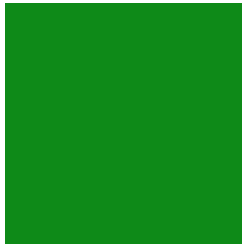
6.3535, 0.3419, 0.1657



0.0432, 0.3305, 0.1594

Previews

White Background



This preview shows how the Yxy color 18.3363, 0.2978, 0.5789 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3363, 0.2978, 0.5789 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 18.3363, 0.2978, 0.5789

Background



This preview shows how black text looks on a background with the Yxy color 18.3363, 0.2978, 0.5789.



This preview shows how white text looks on a background with the Yxy color 18.3363, 0.2978, 0.5789.

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

18.3363, 0.2978, 0.5789

Protanopia

17.9904, 0.4339, 0.4799

Deuteranopia

18.0242, 0.4507, 0.4426



Tritanopia

18.2322, 0.2379, 0.3058

Trichromacy



Original Color

18.3363, 0.2978, 0.5789



Protanomaly

16.8950, 0.3659, 0.5290



Deuteranomaly

16.4372, 0.3753, 0.5033



Tritanomaly

17.8792, 0.2625, 0.4115

Monochromacy



Original Color

18.3363, 0.2978, 0.5789



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.6818, 0.3026, 0.4400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3363, 0.2978, 0.5789 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(14, 138, 24)` looks like.

```
.text, #text, p{  
    color:rgb(14, 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(14, 138, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 138, 24) }
```

Border

The CSS property to change the border of an element to Yxy 18.3363, 0.2978, 0.5789 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(14, 138, 24) }
```

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

```
.border{ border-color:rgb(14, 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(14, 138, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 138, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 138, 24);  
box-shadow:4px 4px 4px 4px rgb(14, 138,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3363, 0.2978, 0.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 138, 24) }
```

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

```
.background{ background-color: rgb(14, 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](#).

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