

Converting Colors

$Y_{xy}(18.3890, 0.2938, 0.4939)$

Have a look what the booklet for
Yxy(18.3890, 0.2938, 0.4939)
contains.

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Color

$Y_{xy}(18.3877, 0.2932, 0.4930)$

Conversions

Conversions Part 1

Format	Color
Hex	328741
RGB	50, 135, 65
RGB Percent	20%, 53%, 25%
CMY	0.8037, 0.4706, 0.7451
CMYK	0.63, 0.00, 0.52, 0.47
HSL	131°, 46%, 36%
HSV	131°, 63%, 53%
XYZ	10.9356, 18.3877, 7.9742
YIQ	101.6050, -28.1900, -39.7900

Conversions

Conversions Part 2

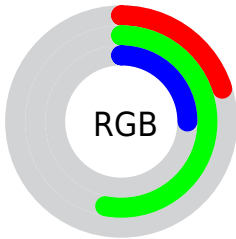
Format	Color
RYB	50, 122, 135
Decimal	3311425
CIELab	49.96, -41.14, 30.05
CIElCh	50, 50.945, 143.850
Yxy	18.3877, 0.2932, 0.4930
Android (android.graphics.Color)	4281501505 (0xFF328741)
YUV	101.6050, -18.0463, -45.2576
Hunter-Lab	42.8809, -29.5198, 18.9909

Details

The Yxy color **18.3877, 0.2932, 0.4930** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.7941, 0.3456, 0.2092**, and the grayscale version is **13.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6743, 0.3013, 0.4510**, and **6.3843, 0.2903, 0.5652** is the 20% darker color. If you saturate the color by 10%, you get **17.9776, 0.2923, 0.5216**, and if you desaturate by 10%, it is **18.9260, 0.2951, 0.4632**.

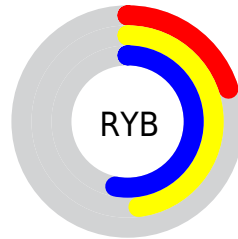
Distribution



Red (20%)

Green (53%)

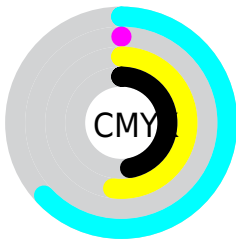
Blue (25%)



Red (20%)

Yellow (48%)

Blue (53%)

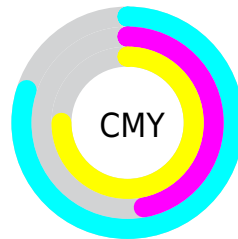


Cyan (63%)

Magenta (0%)

Yellow (52%)

Black (47%)



Cyan (80%)


Magenta (47%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3877, 0.2932, 0.4930 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 18.3877, 0.2932, 0.4930 by changing the saturation by 10% instead.


 18.3877, 0.2932,
0.4930


 18.3877, 0.2932,
0.4930


243.0473, 0.3085,
0.3922


 11.2287, 0.2858,
0.5269


 40.6969, 0.3009,
0.4506


 6.2209, 0.2728,
0.5769

 56.6158, 0.3030,
0.4365

 2.9798, 0.2547,
0.6760

 76.2235, 0.3046,
0.4253

 1.1212, 0.0378,
0.9622

 99.9044, 0.3058,
0.4162

 0.0000, 0.0000,
0.0000

 128.0428, 0.3067,
0.4087

 161.0232, 0.3074,

0.4023

199.2299, 0.3080,
0.3969

■ 18.3877, 0.2932,
0.4930

■ 18.3877, 0.2932,
0.4930

■ 17.9776, 0.2923,
0.5216

■ 18.9260, 0.2951,
0.4632

■ 17.6827, 0.2925,
0.5473

■ 19.5996, 0.2977,
0.4336

■ 17.4911, 0.2938,
0.5684

■ 20.4179, 0.3009,
0.4054

■ 17.3921, 0.2946,
0.5805

■ 21.3886, 0.3044,
0.3793

■ 22.5191, 0.3081,
0.3557

■ 23.8161, 0.3117,
0.3347

■ 25.2860, 0.3152,
0.3161

■ 26.9350, 0.3186,
0.2999

■ 28.7687, 0.3217,
0.2858

Harmonies

Analogous

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



18.3877, 0.3826, 0.5044



18.3877, 0.2932, 0.4930



18.3877, 0.2139, 0.4053

Triad

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



18.3877, 0.2932, 0.4930



18.3877, 0.1730, 0.1929



18.3877, 0.4840, 0.3230

Complementary

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



18.3877, 0.2932, 0.4930



8.7941, 0.3456, 0.2092

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.



18.3877, 0.4082, 0.2626



18.3877, 0.2932, 0.4930



18.3877, 0.2245, 0.1915

Square

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



18.3877, 0.2932, 0.4930



18.3877, 0.1535, 0.2258



18.3877, 0.3082, 0.2162



18.3877, 0.5003, 0.3894

Rectangle

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



18.3877, 0.2932, 0.4930



18.3877, 0.1778, 0.3318



18.3877, 0.3082, 0.2162



18.3877, 0.4642, 0.3019

Sweetspot

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



18.3885, 0.2932, 0.4930



38.9788, 0.3057, 0.3708



21.6114, 0.3800, 0.4802



8.9138, 0.3048, 0.3769



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.



18.3885, 0.2932, 0.4930



31.9186, 0.2922, 0.5344



19.0617, 0.2601, 0.3929



5.2172, 0.3094, 0.3474



16.0400, 0.2945, 0.5800



0.0563, 0.2774, 0.5186

Inverse Universe

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



8.7941, 0.3456, 0.2092



13.1772, 0.3554, 0.1917



7.9922, 0.4367, 0.2787



4.7491, 0.3162, 0.3113



5.8148, 0.3695, 0.1809



0.0211, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 18.3877, 0.2932, 0.4930 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 18.3877, 0.2932, 0.4930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

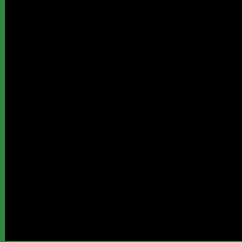
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3877, 0.2932, 0.4930

Background



This preview shows how black text looks on a background with the Yxy color 18.3877, 0.2932, 0.4930.



This preview shows how white text looks on a background with the Yxy color 18.3877, 0.2932, 0.4930.

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

18.3877, 0.2932, 0.4930

Protanopia

18.0979, 0.4009, 0.4363

Deuteranopia

18.1048, 0.4086, 0.4027



Tritanopia

18.2870, 0.2465, 0.3082

Trichromacy



Original Color

18.3877, 0.2932, 0.4930

Protanomaly

17.5770, 0.3542, 0.4601

Deuteranomaly

17.3556, 0.3572, 0.4360

Tritanomaly

18.1697, 0.2636, 0.3713

Monochromacy



Original Color

18.3877, 0.2932, 0.4930

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.5949, 0.3025, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3877, 0.2932, 0.4930 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(50, 135, 65)` looks like.

```
.text, #text, p{  
    color:rgb(50, 135, 65)  
}
```

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(50, 135, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 135, 65) }
```

Border

The CSS property to change the border of an element to Yxy 18.3877, 0.2932, 0.4930 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(50, 135, 65) }
```

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

```
.border{ border-color:rgb(50, 135, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 135, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 135, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 135, 65);  
box-shadow:4px 4px 4px 4px rgb(50, 135,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3877, 0.2932, 0.4930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 135, 65) }
```

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

```
.background{ background-color: rgb(50, 135,  
65) }
```

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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