

Converting Colors

$Y_{xy}(18.2044, 0.3351, 0.5376)$

Have a look what the booklet for
Yxy(18.2044, 0.3351, 0.5376)
contains.

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Color

Yxy(18.2958, 0.3353, 0.5383)

Conversions

Conversions Part 1

Format	Color
Hex	498520
RGB	73, 133, 32
RGB Percent	29%, 52%, 13%
CMY	0.7137, 0.4784, 0.8746
CMYK	0.45, 0.00, 0.76, 0.48
HSL	96°, 61%, 32%
HSV	96°, 76%, 52%
XYZ	11.3962, 18.2958, 4.2961
YIQ	103.5460, -3.3390, -44.1310

Conversions

Conversions Part 2

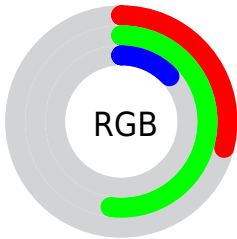
Format	Color
R_{YB}	32, 133, 92
Decimal	4818208
CIE _{Lab}	49.85, -37.30, 45.45
CIE _{LCh}	50, 58.795, 129.371
Yxy	18.2958, 0.3353, 0.5383
Android (android.graphics.Color)	4283008288 (0xFF498520)
YUV	103.5460, -35.2722, -26.7888
Hunter-Lab	42.7736, -27.2958, 23.9865

Details

The Yxy color **18.2958, 0.3353, 0.5383** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.0001, 0.2487, 0.1357**, and the grayscale version is **13.8129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6928, 0.3365, 0.4869**, and **6.2799, 0.3091, 0.5928** is the 20% darker color. If you saturate the color by 10%, you get **17.9491, 0.3326, 0.5584**, and if you desaturate by 10%, it is **18.7125, 0.3362, 0.5135**.

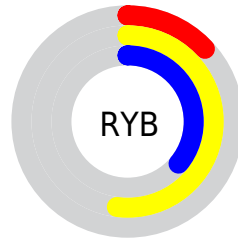
Distribution



Red (29%)

Green (52%)

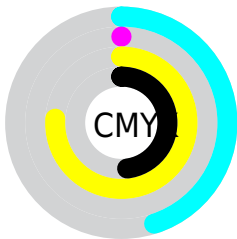
Blue (13%)



Red (13%)

Yellow (52%)

Blue (36%)

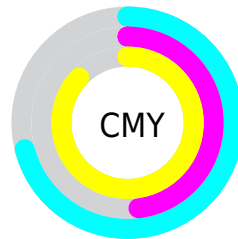


Cyan (45%)

Magenta (0%)

Yellow (76%)

Black (48%)



Cyan (71%)


Magenta (48%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2958, 0.3353, 0.5383 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 18.2958, 0.3353, 0.5383 by changing the saturation by 10% instead.


 18.2958, 0.3353,
0.5383

 18.2958, 0.3353,
0.5383


242.5331, 0.3302,
0.4123

 11.1626, 0.3308,
0.5767


 40.5407, 0.3366,
0.4870


 6.1763, 0.3221,
0.6346

 56.4212, 0.3359,
0.4694

 2.9526, 0.2933,
0.7067

 75.9862, 0.3350,
0.4552

 1.1070, 0.1024,
0.8976

 99.6201, 0.3340,
0.4435

 0.0000, 0.0000,
0.0000

 127.7074, 0.3329,
0.4337

 160.6324, 0.3320,

0.4255

198.7795, 0.3310,
0.4184

18.2958, 0.3353,
0.5383

18.2958, 0.3353,
0.5383

17.9491, 0.3326,
0.5584

18.7125, 0.3362,
0.5135

17.6634, 0.3283,
0.5733

19.2014, 0.3354,
0.4854

17.5602, 0.3267,
0.5788

19.7672, 0.3331,
0.4556

20.4138, 0.3297,
0.4256

21.1445, 0.3254,
0.3963

■ 21.9626, 0.3207,
0.3687

■ 22.8711, 0.3157,
0.3431

■ 23.8729, 0.3107,
0.3198

■ 24.9707, 0.3057,
0.2988

Harmonies

Analogous

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



18.2958, 0.4320, 0.5038



18.2958, 0.3353, 0.5383



18.2958, 0.2379, 0.4778

Triad

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



18.2958, 0.3353, 0.5383



18.2958, 0.1423, 0.1880



18.2958, 0.4749, 0.2860

Complementary

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



18.2958, 0.3353, 0.5383



5.0001, 0.2487, 0.1357

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.



18.2958, 0.3661, 0.2264



18.2958, 0.3353, 0.5383



18.2958, 0.1808, 0.1722

Square

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



18.2958, 0.3353, 0.5383



18.2958, 0.1368, 0.2430



18.2958, 0.2565, 0.1863



18.2958, 0.5274, 0.3554

Rectangle

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



18.2958, 0.3353, 0.5383



18.2958, 0.1862, 0.3931



18.2958, 0.2565, 0.1863



18.2958, 0.4424, 0.2646

Sweetspot

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



18.2966, 0.3353, 0.5383



38.2055, 0.3243, 0.3895



12.5581, 0.4665, 0.4287



8.5090, 0.3258, 0.3983



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.2966, 0.3353, 0.5383



31.7689, 0.3296, 0.5693



17.2384, 0.2977, 0.5475



5.2902, 0.3173, 0.3510



16.7304, 0.3268, 0.5787



0.0620, 0.3612, 0.5514

Inverse Universe

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



5.0001, 0.2487, 0.1357



6.6632, 0.2311, 0.1091



7.4891, 0.3354, 0.1812



4.6710, 0.3077, 0.3072



3.2007, 0.2244, 0.1010



0.0154, 0.2683, 0.1251

Previews

White Background



This preview shows how the Yxy color 18.2958, 0.3353, 0.5383 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 18.2958, 0.3353, 0.5383 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 18.2958, 0.3353, 0.5383

Background



This preview shows how black text looks on a background with the Yxy color 18.2958, 0.3353, 0.5383.



This preview shows how white text looks on a background with the Yxy color 18.2958, 0.3353, 0.5383.

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

18.2958, 0.3353, 0.5383

Protanopia

18.0273, 0.4294, 0.4731

Deuteranopia

17.9515, 0.4470, 0.4402



Tritanopia

18.2604, 0.2643, 0.3087

Trichromacy



Original Color

18.2958, 0.3353, 0.5383

Protanomaly

17.6341, 0.3923, 0.4991

Deuteranomaly

17.5660, 0.4023, 0.4771

Tritanomaly

17.8808, 0.2942, 0.3951

Monochromacy



Original Color

18.2958, 0.3353, 0.5383

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.1387, 0.3279, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2958, 0.3353, 0.5383 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(73, 133, 32)` looks like.

```
.text, #text, p{  
    color:rgb(73, 133, 32)  
}
```

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(73, 133, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 133, 32) }
```

Border

The CSS property to change the border of an element to Yxy 18.2958, 0.3353, 0.5383 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(73, 133, 32) }
```

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

```
.border{ border-color:rgb(73, 133, 32) }
```

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

Here you see how a box with a 4 pixel rgb(73, 133, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 133, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 133, 32);  
box-shadow:4px 4px 4px 4px rgb(73, 133,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2958, 0.3353, 0.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 133, 32) }
```

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

```
.background{ background-color: rgb(73, 133,  
32) }
```

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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