

Converting Colors

$Y_{xy}(18.3920, 0.3317, 0.5598)$

Have a look what the booklet for
Yxy(18.3920, 0.3317, 0.5598)
contains.

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Color

Yxy(18.4954, 0.3318, 0.5602)

Conversions

Conversions Part 1

Format	Color
Hex	418712
RGB	65, 135, 18
RGB Percent	25%, 53%, 7%
CMY	0.7450, 0.4706, 0.9293
CMYK	0.52, 0.00, 0.87, 0.47
HSL	96°, 76%, 30%
HSV	96°, 87%, 53%
XYZ	10.9546, 18.4954, 3.5657
YIQ	100.7320, -4.1630, -51.2270

Conversions

Conversions Part 2

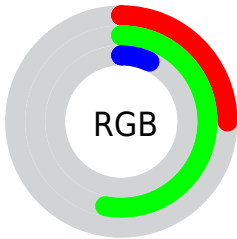
Format	Color
R_{YB}	18, 135, 88
Decimal	4294418
CIE _{Lab}	50.09, -41.55, 49.96
CIE _{LCh}	50, 64.984, 129.747
Yxy	18.4954, 0.3318, 0.5602
Android (android.graphics.Color)	4282484498 (0xFF418712)
YUV	100.7320, -40.7869, -31.3370
Hunter-Lab	43.0063, -29.7932, 25.1886

Details

The Yxy color **18.4954, 0.3318, 0.5602** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.2572, 0.2382, 0.1177**, and the grayscale version is **13.0519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8827, 0.3356, 0.5047**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2060, 0.3275, 0.5747**, and if you desaturate by 10%, it is **18.8499, 0.3347, 0.5404**.

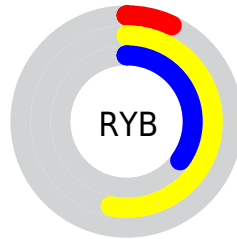
Distribution



Red (25%)

Green (53%)

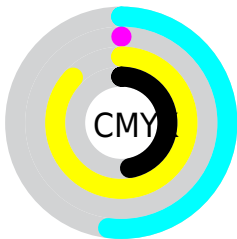
Blue (7%)



Red (7%)

Yellow (53%)

Blue (35%)

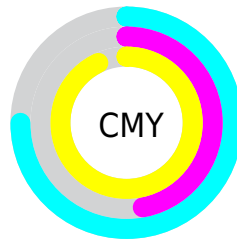


Cyan (52%)

Magenta (0%)

Yellow (87%)

Black (47%)



Cyan (75%)

Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4954, 0.3318, 0.5602 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 18.4954, 0.3318, 0.5602 by changing the saturation by 10% instead.


 18.4954, 0.3318,
0.5602


 18.4954, 0.3318,
0.5602


243.6487, 0.3308,
0.4214


 11.3062, 0.3247,
0.6014


 40.8797, 0.3356,
0.5042


 6.2732, 0.3152,
0.6705


 56.8436, 0.3355,
0.4847

 3.0119, 0.2723,
0.7277

 76.5012, 0.3349,
0.4690

 1.1380, 0.0401,
0.9599

 100.2369, 0.3342,
0.4560

 0.0101, 0.0000,
1.0000


 128.4352, 0.3333,
0.4452


 0.0000, 0.0000,
0.0000


 161.4803, 0.3325,


0.4360


 199.7567, 0.3316,
0.4282


 18.4954, 0.3318,
0.5602

 18.4954, 0.3318,
0.5602

 18.2060, 0.3275,
0.5747


 18.8499, 0.3347,
0.5404

 18.1187, 0.3261,
0.5793

 19.2746, 0.3358,
0.5158

 19.7750, 0.3352,
0.4879

 20.3554, 0.3330,
0.4581

 21.0198, 0.3297,
0.4279

■ 21.7716, 0.3256,
0.3985

■ 22.6145, 0.3209,
0.3707

■ 23.5514, 0.3160,
0.3449

■ 24.5854, 0.3111,
0.3214

Harmonies

Analogous

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



18.4954, 0.4362, 0.5165



18.4954, 0.3318, 0.5602



18.4954, 0.2280, 0.4940

Triad

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



18.4954, 0.3318, 0.5602



18.4954, 0.1307, 0.1760



18.4954, 0.4920, 0.2817

Complementary

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



18.4954, 0.3318, 0.5602



4.2572, 0.2382, 0.1177

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.



18.4954, 0.3721, 0.2188



18.4954, 0.3318, 0.5602



18.4954, 0.1713, 0.1609

Square

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



18.4954, 0.3318, 0.5602



18.4954, 0.1239, 0.2326



18.4954, 0.2522, 0.1763



18.4954, 0.5468, 0.3543

Rectangle

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



18.4954, 0.3318, 0.5602



18.4954, 0.1736, 0.3972



18.4954, 0.2522, 0.1763



18.4954, 0.4564, 0.2592

Sweetspot

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



18.4962, 0.3318, 0.5602



38.9988, 0.3256, 0.3983



11.8918, 0.4891, 0.4324



8.9344, 0.3269, 0.4070



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.



18.4962, 0.3318, 0.5602



32.3593, 0.3246, 0.5805



17.5393, 0.2976, 0.5723



5.2893, 0.3173, 0.3510



16.7155, 0.3263, 0.5791



0.0620, 0.3607, 0.5518

Inverse Universe

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



4.2572, 0.2382, 0.1177



6.1510, 0.2231, 0.1003



7.0714, 0.3387, 0.1720



4.6720, 0.3078, 0.3072



3.2240, 0.2253, 0.1015



0.0154, 0.2689, 0.1255

Previews

White Background



This preview shows how the Yxy color 18.4954, 0.3318, 0.5602 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 18.4954, 0.3318, 0.5602 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 18.4954, 0.3318, 0.5602

Background



This preview shows how black text looks on a background with the Yxy color 18.4954, 0.3318, 0.5602.



This preview shows how white text looks on a background with the Yxy color 18.4954, 0.3318, 0.5602.

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

18.4954, 0.3318, 0.5602

Protanopia

18.2910, 0.4361, 0.4835

Deuteranopia

18.3041, 0.4551, 0.4488



Tritanopia

18.5841, 0.2585, 0.3087

Trichromacy



Original Color

18.4954, 0.3318, 0.5602

Protanomaly

17.9529, 0.3936, 0.5148

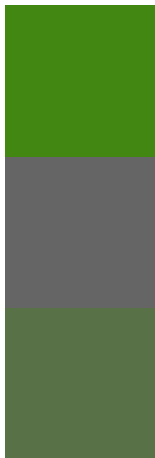
Deuteranomaly

17.6054, 0.4054, 0.4920

Tritanomaly

18.0686, 0.2921, 0.4095

Monochromacy



Original Color

18.4954, 0.3318, 0.5602

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.3399, 0.3298, 0.4274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4954, 0.3318, 0.5602 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(65, 135, 18)` looks like.

```
.text, #text, p{  
    color:rgb(65, 135, 18)  
}
```

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(65, 135, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 135, 18) }
```

Border

The CSS property to change the border of an element to Yxy 18.4954, 0.3318, 0.5602 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(65, 135, 18) }
```

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

```
.border{ border-color:rgb(65, 135, 18) }
```

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

Here you see how a box with a 4 pixel rgb(65, 135, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 135, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 135, 18);  
box-shadow:4px 4px 4px 4px rgb(65, 135,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4954, 0.3318, 0.5602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 135, 18) }
```

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

```
.background{ background-color: rgb(65, 135,  
18) }
```

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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