

Converting Colors

$Y_{xy}(18.8028, 0.3145, 0.5091)$

Have a look what the booklet for
Yxy(18.8028, 0.3145, 0.5091)
contains.

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Color

Yxy(18.7525, 0.3143, 0.5092)

Conversions

Conversions Part 1

Format	Color
Hex	428736
RGB	66, 135, 54
RGB Percent	26%, 53%, 21%
CMY	0.7413, 0.4706, 0.7882
CMYK	0.51, 0.00, 0.60, 0.47
HSL	111°, 43%, 37%
HSV	111°, 60%, 53%
XYZ	11.5748, 18.7525, 6.5000
YIQ	105.1350, -15.1230, -39.8190

Conversions

Conversions Part 2

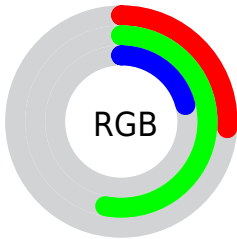
Format	Color
RYB	54, 135, 123
Decimal	4359990
CIELab	50.40, -38.36, 36.31
CIElCh	50, 52.818, 136.569
Yxy	18.7525, 0.3143, 0.5092
Android (android.graphics.Color)	4282550070 (0xFF428736)
YUV	105.1350, -25.2096, -34.3214
Hunter-Lab	43.3042, -28.0707, 21.4134

Details

The Yxy color **18.7525, 0.3143, 0.5092** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.6029, 0.2994, 0.1857**, and the grayscale version is **14.2360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3877, 0.3181, 0.4629**, and **6.3450, 0.2990, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **18.2835, 0.3127, 0.5392**, and if you desaturate by 10%, it is **19.3387, 0.3152, 0.4766**.

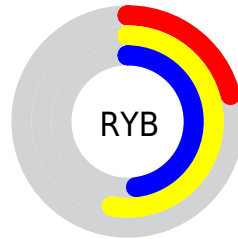
Distribution



Red (26%)

Green (53%)

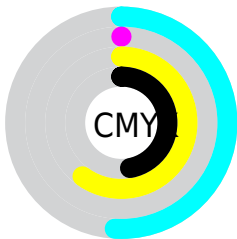
Blue (21%)



Red (21%)

Yellow (53%)

Blue (48%)

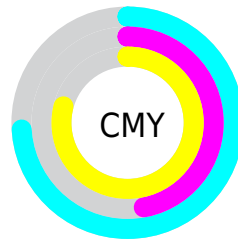


Cyan (51%)

Magenta (0%)

Yellow (60%)

Black (47%)



Cyan (74%)


Magenta (47%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7525, 0.3143, 0.5092 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 18.7525, 0.3143, 0.5092 by changing the saturation by 10% instead.


 18.7525, 0.3143,
0.5092


 18.7525, 0.3143,
0.5092


245.0790, 0.3186,
0.3995


 11.4916, 0.3093,
0.5448


 41.3155, 0.3180,
0.4636


 6.3985, 0.2988,
0.5956


 57.3863, 0.3187,
0.4483


 3.0889, 0.2907,
0.7093

 77.1625, 0.3189,
0.4361

 1.1783, 0.1180,
0.8820

 101.0286, 0.3190,
0.4261

 0.0439, 0.0000,
1.0000

 129.3689, 0.3190,
0.4178

 0.0000, 0.0000,
0.0000

 162.5678, 0.3189,

0.4107

201.0097, 0.3187,
0.4047

■ 18.7525, 0.3143,
0.5092

■ 18.7525, 0.3143,
0.5092

■ 18.2835, 0.3127,
0.5392

■ 19.3387, 0.3152,
0.4766

■ 17.9215, 0.3104,
0.5644

■ 20.0469, 0.3155,
0.4433

■ 17.6585, 0.3076,
0.5829

■ 20.8844, 0.3153,
0.4111

■ 17.4779, 0.3052,
0.5959

■ 21.8572, 0.3147,
0.3810

■ 17.4779, 0.3052,
0.5959

■ 22.9710, 0.3138,
0.3536

■ 24.2312, 0.3127,
0.3290

■ 25.6427, 0.3115,
0.3073

■ 27.2106, 0.3103,
0.2882

■ 28.9393, 0.3091,
0.2716

Harmonies

Analogous

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



18.7525, 0.4047, 0.5007



18.7525, 0.3143, 0.5092



18.7525, 0.2283, 0.4348

Triad

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



18.7525, 0.3143, 0.5092



18.7525, 0.1620, 0.1944



18.7525, 0.4749, 0.3065

Complementary

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



18.7525, 0.3143, 0.5092



8.6029, 0.2994, 0.1857

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.



18.7525, 0.3863, 0.2477



18.7525, 0.3143, 0.5092



18.7525, 0.2063, 0.1860

Square

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



18.7525, 0.3143, 0.5092



18.7525, 0.1498, 0.2368



18.7525, 0.2844, 0.2052



18.7525, 0.5075, 0.3731

Rectangle

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



18.7525, 0.3143, 0.5092



18.7525, 0.1857, 0.3587



18.7525, 0.2844, 0.2052



18.7525, 0.4499, 0.2857

Sweetspot

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



18.7533, 0.3143, 0.5092



39.4385, 0.3146, 0.3764



19.5483, 0.4065, 0.4483



9.0213, 0.3148, 0.3839



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.



18.7533, 0.3143, 0.5092



32.4829, 0.3119, 0.5490



18.7290, 0.2825, 0.4513



5.2353, 0.3137, 0.3513



16.1190, 0.3054, 0.5958



0.0578, 0.3251, 0.5800

Inverse Universe

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



8.6029, 0.2994, 0.1857



12.5446, 0.2946, 0.1614



8.8447, 0.3712, 0.2354



4.7290, 0.3115, 0.3074



4.9829, 0.2849, 0.1343



0.0196, 0.3036, 0.1446

Previews

White Background



This preview shows how the Yxy color 18.7525, 0.3143, 0.5092 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 18.7525, 0.3143, 0.5092 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 18.7525, 0.3143, 0.5092

Background



This preview shows how black text looks on a background with the Yxy color 18.7525, 0.3143, 0.5092.



This preview shows how white text looks on a background with the Yxy color 18.7525, 0.3143, 0.5092.

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

18.7525, 0.3143, 0.5092

Protanopia

18.4019, 0.4124, 0.4511

Deuteranopia

18.5639, 0.4259, 0.4191



Tritanopia

18.8239, 0.2570, 0.3087

Trichromacy



Original Color

18.7525, 0.3143, 0.5092

Protanomaly

18.1575, 0.3719, 0.4743

Deuteranomaly

18.0761, 0.3802, 0.4523

Tritanomaly

18.6046, 0.2791, 0.3791

Monochromacy



Original Color

18.7525, 0.3143, 0.5092

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.3868, 0.3158, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7525, 0.3143, 0.5092 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(66, 135, 54)` looks like.

```
.text, #text, p{  
    color:rgb(66, 135, 54)  
}
```

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(66, 135, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 135, 54) }
```

Border

The CSS property to change the border of an element to Yxy 18.7525, 0.3143, 0.5092 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(66, 135, 54) }
```

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

```
.border{ border-color:rgb(66, 135, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 135, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 135, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 135, 54);  
box-shadow:4px 4px 4px 4px rgb(66, 135,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7525, 0.3143, 0.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 135, 54) }
```

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

```
.background{ background-color: rgb(66, 135,  
54) }
```

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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