

Converting Colors

$Y_{xy}(19.2509, 0.3142, 0.4341)$

Have a look what the booklet for
Yxy(19.2509, 0.3142, 0.4341)
contains.

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Color

Yxy(19.2509, 0.3142, 0.4341)

Conversions

Conversions Part 1

Format	Color
Hex	598453
RGB	89, 132, 83
RGB Percent	35%, 52%, 33%
CMY	0.6509, 0.4824, 0.6746
CMYK	0.33, 0.00, 0.37, 0.48
HSL	113°, 23%, 42%
HSV	113°, 37%, 52%
XYZ	13.9337, 19.2509, 11.1621
YIQ	113.5570, -9.8990, -24.3550

Conversions

Conversions Part 2

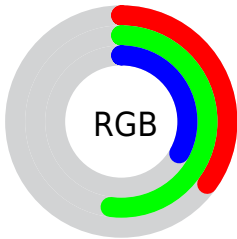
Format	Color
R_{YB}	83, 132, 126
Decimal	5866579
CIE _{Lab}	50.98, -25.06, 21.88
CIE _{LCh}	51, 33.269, 138.882
Yxy	19.2509, 0.3142, 0.4341
Android (android.graphics.Color)	4284056659 (0xFF598453)
YUV	113.5570, -15.0646, -21.5365
Hunter-Lab	43.8758, -20.0962, 15.6297

Details

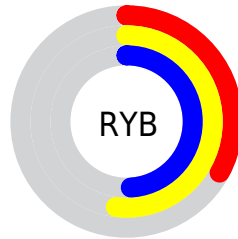
The Yxy color **19.2509, 0.3142, 0.4341** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2830, 0.3079, 0.2385**, and the grayscale version is **16.7374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0541, 0.3155, 0.4075**, and **6.6193, 0.3096, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **18.5384, 0.3138, 0.4674**, and if you desaturate by 10%, it is **20.0939, 0.3142, 0.4023**.

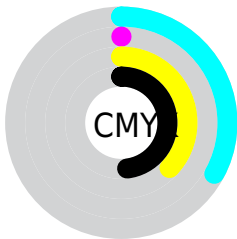
Distribution



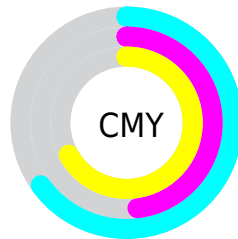
- Red (35%)
- Green (52%)
- Blue (33%)



- Red (33%)
- Yellow (52%)
- Blue (49%)



- Cyan (33%)
- Magenta (0%)
- Yellow (37%)
- Black (48%)




- Cyan (65%)
- Magenta (48%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2509, 0.3142, 0.4341 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 19.2509, 0.3142, 0.4341 by changing the saturation by 10% instead.


 19.2509, 0.3142,
0.4341


 19.2509, 0.3142,
0.4341


247.8304, 0.3150,
0.3712


 11.8517, 0.3129,
0.4546


 42.1576, 0.3151,
0.4080

 6.6428, 0.3100,
0.4848


 58.4340, 0.3153,
0.3993


 3.2397, 0.3030,
0.5326

 78.4381, 0.3153,
0.3923

 1.2581, 0.3017,
0.6983

 102.5545, 0.3153,
0.3865

 0.1084, 0.0000,
1.0000

 131.1676, 0.3152,
0.3817

 0.0000, 0.0000,
0.0000

164.6616, 0.3152,

0.3777

203.4211, 0.3151,
0.3742

■ 19.2509, 0.3142,
0.4341

■ 19.2509, 0.3142,
0.4341

■ 18.5384, 0.3138,
0.4674

■ 20.0939, 0.3142,
0.4023

■ 17.9476, 0.3129,
0.5006

■ 21.0708, 0.3138,
0.3728

■ 17.4723, 0.3114,
0.5317

■ 22.1882, 0.3132,
0.3462

■ 17.1048, 0.3094,
0.5586

■ 23.4513, 0.3125,
0.3225


■ 16.8365, 0.3069,
0.5792

■ 24.8650, 0.3117,
0.3017


 16.6550, 0.3046,
0.5931

 26.4341, 0.3108,
0.2834

 16.6148, 0.3042,
0.5967

 28.1632, 0.3099,
0.2676

 30.0567, 0.3090,
0.2538

 32.1186, 0.3081,
0.2418

Harmonies

Analogous

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



19.2509, 0.3741, 0.4411



19.2509, 0.3142, 0.4341



19.2509, 0.2570, 0.3875

Triad

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



19.2509, 0.3142, 0.4341



19.2509, 0.2122, 0.2389



19.2509, 0.4171, 0.3217

Complementary

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



19.2509, 0.3142, 0.4341



12.2830, 0.3079, 0.2385

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.



19.2509, 0.3650, 0.2785



19.2509, 0.3142, 0.4341



19.2509, 0.2464, 0.2323

Square

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



19.2509, 0.3142, 0.4341



19.2509, 0.2021, 0.2693



19.2509, 0.3011, 0.2468



19.2509, 0.4373, 0.3696

Rectangle

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



19.2509, 0.3142, 0.4341



19.2509, 0.2279, 0.3446



19.2509, 0.3011, 0.2468



19.2509, 0.4025, 0.3064

Sweetspot

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



19.2517, 0.3142, 0.4341



38.2446, 0.3135, 0.3568



20.3148, 0.3700, 0.4070



8.8520, 0.3136, 0.3598



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.



19.2517, 0.3142, 0.4341



32.7864, 0.3139, 0.4636



19.2795, 0.2907, 0.3957



5.2302, 0.3134, 0.3513



16.0889, 0.3042, 0.5967



0.0574, 0.3212, 0.5831

Inverse Universe

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



12.2830, 0.3079, 0.2385



18.5506, 0.3060, 0.2174



12.3055, 0.3444, 0.2709



4.7345, 0.3119, 0.3075



5.1923, 0.2909, 0.1376



0.0200, 0.3066, 0.1463

Previews

White Background



This preview shows how the Yxy color 19.2509, 0.3142, 0.4341 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 19.2509, 0.3142, 0.4341 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 19.2509, 0.3142, 0.4341

Background



This preview shows how black text looks on a background with the Yxy color 19.2509, 0.3142, 0.4341.



This preview shows how white text looks on a background with the Yxy color 19.2509, 0.3142, 0.4341.

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

19.2509, 0.3142, 0.4341

Protanopia

19.0646, 0.3761, 0.4072

Deuteranopia

19.1082, 0.3874, 0.3802



Tritanopia

19.2960, 0.2717, 0.3094

Trichromacy



Original Color

19.2509, 0.3142, 0.4341

Protanomaly

18.9594, 0.3525, 0.4181

Deuteranomaly

18.8760, 0.3578, 0.3984

Tritanomaly

19.1556, 0.2871, 0.3514

Monochromacy



Original Color

19.2509, 0.3142, 0.4341

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.6573, 0.3134, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2509, 0.3142, 0.4341 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(89, 132, 83)` looks like.

```
.text, #text, p{  
    color:rgb(89, 132, 83)  
}
```

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(89, 132, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 132, 83) }
```

Border

The CSS property to change the border of an element to Yxy 19.2509, 0.3142, 0.4341 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(89, 132, 83) }
```

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

```
.border{ border-color:rgb(89, 132, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 132, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 132, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 132, 83);  
box-shadow:4px 4px 4px 4px rgb(89, 132,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2509, 0.3142, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 132, 83) }
```

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

```
.background{ background-color: rgb(89, 132,  
83) }
```

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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