

Converting Colors

$Yxy(19.6306, 0.2648, 0.4354)$

Have a look what the booklet for
Yxy(19.6306, 0.2648, 0.4354)
contains.

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Color

Yxy(19.6306, 0.2648, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	248B5D
RGB	36, 139, 93
RGB Percent	14%, 55%, 36%
CMY	0.8584, 0.4549, 0.6353
CMYK	0.74, 0.00, 0.33, 0.45
HSL	153°, 59%, 34%
HSV	153°, 74%, 55%
XYZ	11.9389, 19.6306, 13.5169
YIQ	102.9590, -46.6220, -36.1420

Conversions

Conversions Part 2

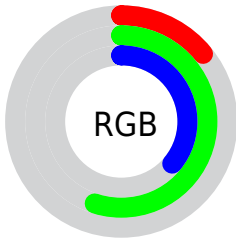
Format	Color
R_{YB}	36, 102, 139
Decimal	2394973
CIE _{Lab}	51.42, -40.18, 16.47
CIE _{LCh}	51, 43.427, 157.718
Yxy	19.6306, 0.2648, 0.4354
Android (android.graphics.Color)	4280585053 (0xFF248B5D)
YUV	102.9590, -4.9098, -58.7230
Hunter-Lab	44.3064, -29.4374, 12.9265

Details

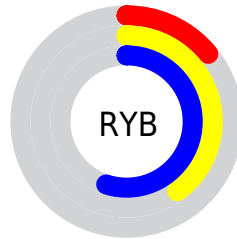
The Yxy color **19.6306, 0.2648, 0.4354** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.3676, 0.4428, 0.2547**, and the grayscale version is **13.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6403, 0.2764, 0.4074**, and **7.1847, 0.2659, 0.4773** is the 20% darker color. If you saturate the color by 10%, you get **19.3216, 0.2641, 0.4524**, and if you desaturate by 10%, it is **20.0473, 0.2674, 0.4184**.

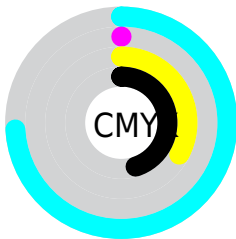
Distribution



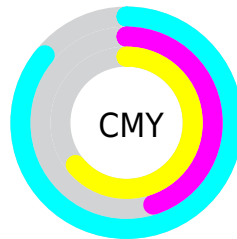
- Red (14%)
- Green (55%)
- Blue (36%)



- Red (14%)
- Yellow (40%)
- Blue (55%)



- Cyan (74%)
- Magenta (0%)
- Yellow (33%)
- Black (45%)



- Cyan (86%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6306, 0.2648, 0.4354 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 19.6306, 0.2648, 0.4354 by changing the saturation by 10% instead.


 19.6306, 0.2648,
0.4354


 19.6306, 0.2648,
0.4354


249.9083, 0.2938,
0.3712


 12.1268, 0.2551,
0.4567


 42.7970, 0.2769,
0.4086


 6.8301, 0.2407,
0.4884


 59.2284, 0.2809,
0.3997

 3.3561, 0.2172,
0.5399

 79.4044, 0.2842,
0.3926

 1.3203, 0.1248,
0.7478

 103.7095, 0.2868,
0.3867

 0.1569, 0.0000,
1.0000

 132.5280, 0.2890,
0.3819

 0.0000, 0.0000,
0.0000

 166.2444, 0.2908,

0.3778

205.2430, 0.2924,
0.3743

■ 19.6306, 0.2648,
0.4354

■ 19.6306, 0.2648,
0.4354

■ 19.3216, 0.2641,
0.4524

■ 20.0473, 0.2674,
0.4184

■ 19.1054, 0.2653,
0.4691

■ 20.5797, 0.2717,
0.4018

■ 18.9979, 0.2664,
0.4789

■ 21.2375, 0.2774,
0.3860

■ 22.0288, 0.2843,
0.3711

■ 22.9611, 0.2921,
0.3573

■ 24.0411, 0.3005,
0.3447

■ 25.2753, 0.3092,
0.3333

■ 26.6696, 0.3180,
0.3230

■ 28.2297, 0.3268,
0.3139

Harmonies

Analogous

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



19.6306, 0.3405, 0.4777



19.6306, 0.2648, 0.4354



19.6306, 0.2063, 0.3510

Triad

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



19.6306, 0.2648, 0.4354



19.6306, 0.2097, 0.2079



19.6306, 0.4698, 0.3535

Complementary

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



19.6306, 0.2648, 0.4354



7.3676, 0.4428, 0.2547

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.



19.6306, 0.4266, 0.2966



19.6306, 0.2648, 0.4354



19.6306, 0.2684, 0.2172

Square

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



19.6306, 0.2648, 0.4354



19.6306, 0.1792, 0.2247



19.6306, 0.3485, 0.2486



19.6306, 0.4622, 0.4121

Rectangle

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



19.6306, 0.2648, 0.4354



19.6306, 0.1836, 0.2957



19.6306, 0.3485, 0.2486



19.6306, 0.4609, 0.3340

Sweetspot

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



19.6314, 0.2648, 0.4354



41.4032, 0.2933, 0.3552



20.4041, 0.3403, 0.5314



9.4422, 0.2914, 0.3583



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.6314, 0.2648, 0.4354



34.3206, 0.2647, 0.4640



19.2501, 0.2295, 0.3179



5.6515, 0.3047, 0.3389



17.1512, 0.2662, 0.4782



0.1169, 0.2463, 0.4066

Inverse Universe

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



7.3676, 0.4428, 0.2547



11.0988, 0.4886, 0.2553



7.2201, 0.5489, 0.3368



5.0833, 0.3216, 0.3193



5.2726, 0.5121, 0.2594



0.0379, 0.4171, 0.2071

Previews

White Background



This preview shows how the Yxy color 19.6306, 0.2648, 0.4354 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 19.6306, 0.2648, 0.4354 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 19.6306, 0.2648, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 19.6306, 0.2648, 0.4354.



This preview shows how white text looks on a background with the Yxy color 19.6306, 0.2648, 0.4354.

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

19.6306, 0.2648, 0.4354

Protanopia

19.4002, 0.3684, 0.3979

Deuteranopia

19.3552, 0.3698, 0.3629



Tritanopia

19.6578, 0.2368, 0.3084

Trichromacy



Original Color

19.6306, 0.2648, 0.4354

Protanomaly

18.6297, 0.3178, 0.4139

Deuteranomaly

18.3953, 0.3182, 0.3893

Tritanomaly

19.4867, 0.2460, 0.3504

Monochromacy



Original Color

19.6306, 0.2648, 0.4354

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.0539, 0.2868, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6306, 0.2648, 0.4354 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(36, 139, 93)` looks like.

```
.text, #text, p{  
    color:rgb(36, 139, 93)  
}
```

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(36, 139, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 139, 93) }
```

Border

The CSS property to change the border of an element to Yxy 19.6306, 0.2648, 0.4354 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(36, 139, 93) }
```

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

```
.border{ border-color:rgb(36, 139, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 139, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 139, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 139, 93);  
box-shadow:4px 4px 4px 4px rgb(36, 139,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6306, 0.2648, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 139, 93) }
```

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

```
.background{ background-color: rgb(36, 139,  
93) }
```

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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