

Converting Colors

$Y_{xy}(16.9133, 0.2536, 0.4125)$

Have a look what the booklet for
Yxy(16.9133, 0.2536, 0.4125)
contains.

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Color

Yxy(16.9920, 0.2534, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	178260
RGB	23, 130, 96
RGB Percent	9%, 51%, 38%
CMY	0.9094, 0.4902, 0.6236
CMYK	0.82, 0.00, 0.26, 0.49
HSL	161°, 70%, 30%
HSV	161°, 82%, 51%
XYZ	10.4484, 16.9920, 13.7923
YIQ	94.1310, -52.8580, -33.2580

Conversions

Conversions Part 2

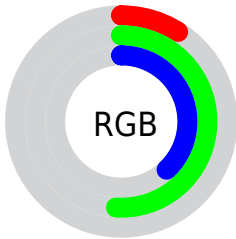
Format	Color
R_{YB}	23, 87, 130
Decimal	1540704
CIE _{Lab}	48.25, -37.42, 10.33
CIE _{LCh}	48, 38.821, 164.565
Yxy	16.9920, 0.2534, 0.4121
Android (android.graphics.Color)	4279730784 (0xFF178260)
YUV	94.1310, 0.9214, -62.3819
Hunter-Lab	41.2214, -26.8930, 9.0170

Details

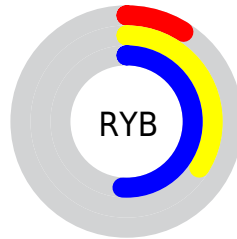
The Yxy color **16.9920, 0.2534, 0.4121** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.6587, 0.5039, 0.2781**, and the grayscale version is **11.2397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4138, 0.2677, 0.3905**, and **5.9676, 0.2570, 0.4453** is the 20% darker color. If you saturate the color by 10%, you get **16.8004, 0.2531, 0.4238**, and if you desaturate by 10%, it is **17.2643, 0.2555, 0.4003**.

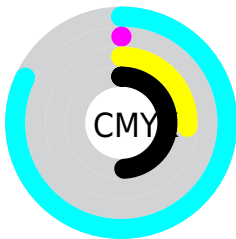
Distribution



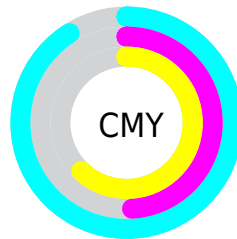
- Red (9%)
- Green (51%)
- Blue (38%)



- Red (9%)
- Yellow (34%)
- Blue (51%)



- Cyan (82%)
- Magenta (0%)
- Yellow (26%)
- Black (49%)





- Cyan (91%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9920, 0.2534, 0.4121 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 16.9920, 0.2534, 0.4121 by changing the saturation by 10% instead.


 16.9920, 0.2534,
0.4121


 16.9920, 0.2534,
0.4121


235.1263, 0.2888,
0.3616


 10.2288, 0.2418,
0.4292


 38.3120, 0.2681,
0.3909


 5.5509, 0.2247,
0.4551

 53.6376, 0.2730,
0.3838


 2.5740, 0.1970,
0.4983

 72.5861, 0.2770,
0.3782

 0.9136, 0.0000,
0.7705

 95.5420, 0.2802,
0.3737

 0.0000, 0.0000,
0.0000

 122.8895, 0.2829,
0.3699

 155.0131, 0.2852,

0.3667

192.2973, 0.2871,
0.3639

■ 16.9920, 0.2534,
0.4121

■ 16.9920, 0.2534,
0.4121

■ 16.8004, 0.2531,
0.4238

■ 17.2643, 0.2555,
0.4003

■ 16.6803, 0.2536,
0.4329

■ 17.6252, 0.2595,
0.3887

■ 18.0834, 0.2652,
0.3775

■ 18.6464, 0.2723,
0.3667

■ 19.3209, 0.2807,
0.3566

■ 20.1128, 0.2900,
0.3472

■ 21.0279, 0.2999,
0.3385

■ 22.0712, 0.3104,
0.3307

■ 23.2479, 0.3210,
0.3236

Harmonies

Analogous

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



16.9920, 0.3230, 0.4637



16.9920, 0.2534, 0.4121



16.9920, 0.2035, 0.3315

Triad

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



16.9920, 0.2534, 0.4121



16.9920, 0.2258, 0.2142



16.9920, 0.4630, 0.3661

Complementary

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



16.9920, 0.2534, 0.4121



5.6587, 0.5039, 0.2781

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.



16.9920, 0.4327, 0.3108



16.9920, 0.2534, 0.4121



16.9920, 0.2873, 0.2281

Square

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



16.9920, 0.2534, 0.4121



16.9920, 0.1904, 0.2245



16.9920, 0.3646, 0.2623



16.9920, 0.4463, 0.4207

Rectangle

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



16.9920, 0.2534, 0.4121



16.9920, 0.1862, 0.2830



16.9920, 0.3646, 0.2623



16.9920, 0.4582, 0.3473

Sweetspot

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



16.9927, 0.2534, 0.4121



34.9326, 0.2868, 0.3502



16.9489, 0.3261, 0.5568



7.8143, 0.2841, 0.3530



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.9927, 0.2534, 0.4121



29.3716, 0.2542, 0.4343



13.4234, 0.2180, 0.2869



4.8643, 0.3032, 0.3359



15.9953, 0.2535, 0.4327



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.6587, 0.5039, 0.2781



8.6672, 0.5649, 0.2895



6.3878, 0.5623, 0.3538



4.3651, 0.3232, 0.3222



4.7076, 0.5619, 0.2869



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9920, 0.2534, 0.4121 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 16.9920, 0.2534, 0.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

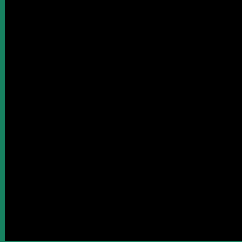
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9920, 0.2534, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 16.9920, 0.2534, 0.4121.



This preview shows how white text looks on a background with the Yxy color 16.9920, 0.2534, 0.4121.

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

16.9920, 0.2534, 0.4121

Protanopia

16.8042, 0.3550, 0.3809

Deuteranopia

16.8178, 0.3536, 0.3482



Tritanopia

17.0208, 0.2324, 0.3071

Trichromacy



Original Color

16.9920, 0.2534, 0.4121

Protanomaly

16.1196, 0.3025, 0.3948

Deuteranomaly

15.8476, 0.3009, 0.3689

Tritanomaly

16.9713, 0.2389, 0.3425

Monochromacy



Original Color

16.9920, 0.2534, 0.4121

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.5706, 0.2772, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9920, 0.2534, 0.4121 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(23, 130, 96)` looks like.

```
.text, #text, p{  
    color:rgb(23, 130, 96)  
}
```

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(23, 130, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 130, 96) }
```

Border

The CSS property to change the border of an element to Yxy 16.9920, 0.2534, 0.4121 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(23, 130, 96) }
```

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

```
.border{ border-color:rgb(23, 130, 96) }
```

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

Here you see how a box with a 4 pixel rgb(23, 130, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 130, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 130, 96);  
box-shadow:4px 4px 4px 4px rgb(23, 130,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9920, 0.2534, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 130, 96) }
```

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

```
.background{ background-color: rgb(23, 130,  
96) }
```

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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