

Converting Colors

$Y_{xy}(20.9635, 0.2526, 0.4178)$

Have a look what the booklet for
Yxy(20.9635, 0.2526, 0.4178)
contains.

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Color

Yxy(21.0746, 0.2530, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	129068
RGB	18, 144, 104
RGB Percent	7%, 56%, 41%
CMY	0.9289, 0.4353, 0.5922
CMYK	0.87, 0.00, 0.28, 0.44
HSL	161°, 78%, 32%
HSV	161°, 87%, 56%
XYZ	12.7222, 21.0746, 16.4886
YIQ	101.7660, -62.2560, -39.1520

Conversions

Conversions Part 2

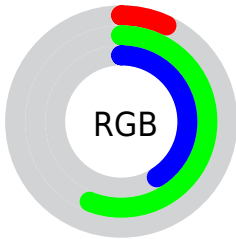
Format	Color
RYB	18, 93, 144
Decimal	1216616
CIELab	53.03, -41.78, 12.42
CIELCh	53, 43.586, 163.450
Yxy	21.0746, 0.2530, 0.4191
Android (android.graphics.Color)	4279406696 (0xFF129068)
YUV	101.7660, 1.1014, -73.4628
Hunter-Lab	45.9071, -30.8698, 10.8396

Details

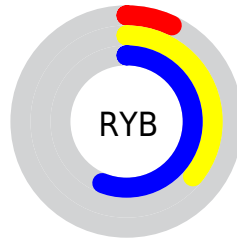
The Yxy color **21.0746, 0.2530, 0.4191** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.6729, 0.5244, 0.2802**, and the grayscale version is **13.2415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3373, 0.2673, 0.3979**, and **7.9497, 0.2582, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **20.8792, 0.2536, 0.4309**, and if you desaturate by 10%, it is **21.3567, 0.2540, 0.4072**.

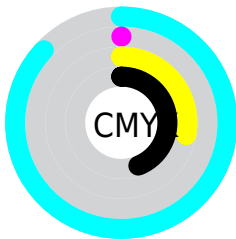
Distribution



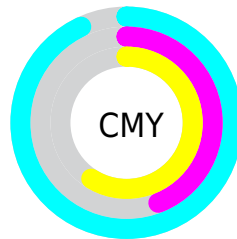
- Red (7%)
- Green (56%)
- Blue (41%)



- Red (7%)
- Yellow (36%)
- Blue (56%)



- Cyan (87%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)




- Cyan (93%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0746, 0.2530, 0.4191 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 21.0746, 0.2530, 0.4191 by changing the saturation by 10% instead.


 21.0746, 0.2530,
0.4191


 21.0746, 0.2530,
0.4191


 257.6747, 0.2878,
0.3657


 13.1785, 0.2421,
0.4363


 45.2117, 0.2671,
0.3971

 7.5516, 0.2265,
0.4615


 62.2214, 0.2719,
0.3897

 3.8094, 0.2024,
0.5015

 83.0379, 0.2759,
0.3837

 1.5675, 0.1340,
0.5979

 108.0455, 0.2791,
0.3788

 0.3356, 0.0000,
1.0000

 137.6286, 0.2818,
0.3747

 0.0000, 0.0000,
0.0000

 172.1715, 0.2841,

0.3713

212.0588, 0.2861,
0.3683

■ 21.0746, 0.2530,
0.4191

■ 21.0746, 0.2530,
0.4191

■ 20.8792, 0.2536,
0.4309

■ 21.3567, 0.2540,
0.4072

■ 20.8325, 0.2539,
0.4339

■ 21.7444, 0.2570,
0.3954

■ 22.2502, 0.2617,
0.3838

■ 22.8842, 0.2681,
0.3727

■ 23.6553, 0.2759,
0.3621

■ 24.5719, 0.2848,
0.3522

■ 25.6414, 0.2945,
0.3430

■ 26.8708, 0.3048,
0.3347

■ 28.2667, 0.3155,
0.3271

Harmonies

Analogous

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



21.0746, 0.3257, 0.4713



21.0746, 0.2530, 0.4191



21.0746, 0.2004, 0.3344

Triad

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



21.0746, 0.2530, 0.4191



21.0746, 0.2205, 0.2098



21.0746, 0.4692, 0.3646

Complementary

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



21.0746, 0.2530, 0.4191



6.6729, 0.5244, 0.2802

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.



21.0746, 0.4360, 0.3076



21.0746, 0.2530, 0.4191



21.0746, 0.2832, 0.2234

Square

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



21.0746, 0.2530, 0.4191



21.0746, 0.1850, 0.2212



21.0746, 0.3637, 0.2580



21.0746, 0.4530, 0.4216

Rectangle

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



21.0746, 0.2530, 0.4191



21.0746, 0.1819, 0.2830



21.0746, 0.3637, 0.2580



21.0746, 0.4637, 0.3452

Sweetspot

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



21.0754, 0.2530, 0.4191



43.4943, 0.2856, 0.3513



20.9538, 0.3239, 0.5679



9.8518, 0.2828, 0.3543



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.0754, 0.2530, 0.4191



36.7125, 0.2545, 0.4362



16.3144, 0.2149, 0.2834



6.0875, 0.3030, 0.3361



18.1457, 0.2537, 0.4333



0.1775, 0.2388, 0.3798

Inverse Universe

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



6.6729, 0.5244, 0.2802



10.7756, 0.5699, 0.2913



7.4312, 0.5839, 0.3516



5.4506, 0.3235, 0.3220



5.3375, 0.5634, 0.2877



0.0547, 0.4575, 0.2294

Previews

White Background



This preview shows how the Yxy color 21.0746, 0.2530, 0.4191 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 21.0746, 0.2530, 0.4191 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 21.0746, 0.2530, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 21.0746, 0.2530, 0.4191.



This preview shows how white text looks on a background with the Yxy color 21.0746, 0.2530, 0.4191.

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

21.0746, 0.2530, 0.4191

Protanopia

20.8988, 0.3598, 0.3852

Deuteranopia

20.7082, 0.3566, 0.3500



Tritanopia

21.0250, 0.2310, 0.3069

Trichromacy



Original Color

21.0746, 0.2530, 0.4191

Protanomaly

19.9322, 0.3028, 0.4023

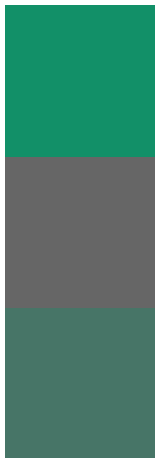
Deuteranomaly

19.3587, 0.3004, 0.3742

Tritanomaly

20.8617, 0.2373, 0.3435

Monochromacy



Original Color

21.0746, 0.2530, 0.4191

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.0414, 0.2743, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0746, 0.2530, 0.4191 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(18, 144, 104)` looks like.

```
.text, #text, p{  
  color:rgb(18, 144, 104)  
}
```

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(18, 144, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 144, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.0746, 0.2530, 0.4191 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(18, 144, 104) }
```

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

```
.border{ border-color:rgb(18, 144, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 144, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 144, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 144, 104);  
box-shadow:4px 4px 4px 4px rgb(18, 144,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0746, 0.2530, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 144, 104) }
```

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

```
.background{ background-color: rgb(18, 144,  
104) }
```

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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