

Converting Colors

$Yxy(20.6508, 0.2559, 0.4193)$

Have a look what the booklet for
Yxy(20.6508, 0.2559, 0.4193)
contains.

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Color

Yxy(20.5383, 0.2559, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	1B8E66
RGB	27, 142, 102
RGB Percent	11%, 56%, 40%
CMY	0.8942, 0.4431, 0.6000
CMYK	0.81, 0.00, 0.28, 0.44
HSL	159°, 68%, 33%
HSV	159°, 81%, 56%
XYZ	12.5226, 20.5383, 15.8747
YIQ	103.0550, -55.7000, -36.8200

Conversions

Conversions Part 2

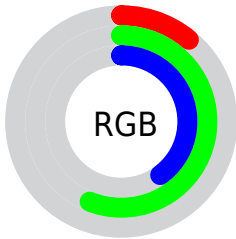
Format	Color
R_{YB}	27, 97, 142
Decimal	1805926
CIE _{Lab}	52.44, -40.58, 12.74
CIE _{LCh}	52, 42.531, 162.574
Yxy	20.5383, 0.2559, 0.4197
Android (android.graphics.Color)	4279996006 (0xFF1B8E66)
YUV	103.0550, -0.5201, -66.7002
Hunter-Lab	45.3192, -29.9853, 10.9549

Details

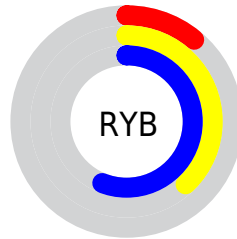
The Yxy color **20.5383, 0.2559, 0.4197** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.9387, 0.4929, 0.2723**, and the grayscale version is **13.5895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5077, 0.2696, 0.3982**, and **7.7580, 0.2596, 0.4546** is the 20% darker color. If you saturate the color by 10%, you get **20.2952, 0.2558, 0.4327**, and if you desaturate by 10%, it is **20.8824, 0.2579, 0.4066**.

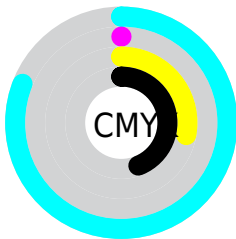
Distribution



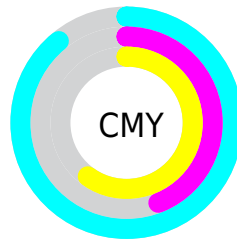
- Red (11%)
- Green (56%)
- Blue (40%)



- Red (11%)
- Yellow (38%)
- Blue (56%)



- Cyan (81%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)





- Cyan (89%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5383, 0.2559, 0.4197 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 20.5383, 0.2559, 0.4197 by changing the saturation by 10% instead.


 20.5383, 0.2559,
0.4197


 20.5383, 0.2559,
0.4197


254.8145, 0.2892,
0.3657


 12.7869, 0.2454,
0.4372


 44.3179, 0.2695,
0.3974

 7.2820, 0.2301,
0.4630


 61.1148, 0.2741,
0.3899

 3.6391, 0.2063,
0.5042

 81.6958, 0.2779,
0.3839

 1.4738, 0.1326,
0.6138

 106.4452, 0.2809,
0.3789

 0.2702, 0.0000,
1.0000

 135.7474, 0.2835,
0.3748

 0.0000, 0.0000,
0.0000

 169.9867, 0.2857,

0.3713

209.5476, 0.2876,
0.3683

■ 20.5383, 0.2559,
0.4197

■ 20.5383, 0.2559,
0.4197

■ 20.2952, 0.2558,
0.4327

■ 20.8824, 0.2579,
0.4066

■ 20.1308, 0.2568,
0.4443

■ 21.3371, 0.2618,
0.3938

■ 21.9135, 0.2674,
0.3813

■ 22.6206, 0.2744,
0.3694

■ 23.4667, 0.2827,
0.3582

■ 24.4592, 0.2918,
0.3479

■ 25.6051, 0.3016,
0.3384

■ 26.9109, 0.3117,
0.3298

■ 28.3827, 0.3220,
0.3221

Harmonies

Analogous

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



20.5383, 0.3279, 0.4694



20.5383, 0.2559, 0.4197



20.5383, 0.2031, 0.3368

Triad

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



20.5383, 0.2559, 0.4197



20.5383, 0.2204, 0.2113



20.5383, 0.4666, 0.3627

Complementary

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



20.5383, 0.2559, 0.4197



6.9387, 0.4929, 0.2723

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.



20.5383, 0.4324, 0.3065



20.5383, 0.2559, 0.4197



20.5383, 0.2816, 0.2241

Square

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



20.5383, 0.2559, 0.4197



20.5383, 0.1860, 0.2234



20.5383, 0.3606, 0.2577



20.5383, 0.4521, 0.4190

Rectangle

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



20.5383, 0.2559, 0.4197



20.5383, 0.1842, 0.2859



20.5383, 0.3606, 0.2577



20.5383, 0.4606, 0.3436

Sweetspot

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



20.5391, 0.2559, 0.4197



42.4877, 0.2885, 0.3514



20.6277, 0.3280, 0.5545



9.3671, 0.2857, 0.3546



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.



20.5391, 0.2559, 0.4197



35.5475, 0.2569, 0.4430



16.7895, 0.2194, 0.2915



6.0849, 0.3034, 0.3368



18.0769, 0.2566, 0.4438



0.1770, 0.2405, 0.3856

Inverse Universe

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



6.9387, 0.4929, 0.2723



10.6711, 0.5495, 0.2825



7.6485, 0.5631, 0.3512



5.4531, 0.3230, 0.3214



5.3686, 0.5522, 0.2816



0.0552, 0.4471, 0.2237

Previews

White Background



This preview shows how the Yxy color 20.5383, 0.2559, 0.4197 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 20.5383, 0.2559, 0.4197 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 20.5383, 0.2559, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 20.5383, 0.2559, 0.4197.



This preview shows how white text looks on a background with the Yxy color 20.5383, 0.2559, 0.4197.

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

20.5383, 0.2559, 0.4197

Protanopia

20.2100, 0.3593, 0.3842

Deuteranopia

20.3341, 0.3582, 0.3519



Tritanopia

20.4718, 0.2328, 0.3067

Trichromacy



Original Color

20.5383, 0.2559, 0.4197



Protanomaly

19.4754, 0.3061, 0.4003



Deuteranomaly

19.2250, 0.3059, 0.3761



Tritanomaly

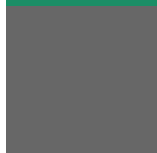
20.3511, 0.2402, 0.3436

Monochromacy



Original Color

20.5383, 0.2559, 0.4197



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.1977, 0.2785, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5383, 0.2559, 0.4197 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(27, 142, 102)` looks like.

```
.text, #text, p{  
  color:rgb(27, 142, 102)  
}
```

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(27, 142, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 142, 102) }
```

Border

The CSS property to change the border of an element to Yxy 20.5383, 0.2559, 0.4197 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(27, 142, 102) }
```

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

```
.border{ border-color:rgb(27, 142, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 142, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 142, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 142, 102);  
box-shadow:4px 4px 4px 4px rgb(27, 142,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5383, 0.2559, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 142, 102) }
```

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

```
.background{ background-color: rgb(27, 142,  
102) }
```

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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