

Converting Colors

$Yxy(20.9967, 0.2679, 0.4743)$

Have a look what the booklet for
Yxy(20.9967, 0.2679, 0.4743)
contains.

Yxy(20.9616, 0.2679, 0.4741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.9616, 0.2679, 0.4741)$

Conversions

Conversions Part 1

Format	Color
Hex	0F9152
RGB	15, 145, 82
RGB Percent	6%, 57%, 32%
CMY	0.9415, 0.4314, 0.6784
CMYK	0.90, 0.00, 0.43, 0.43
HSL	151°, 81%, 31%
HSV	151°, 90%, 57%
XYZ	11.8448, 20.9616, 11.4071
YIQ	98.9480, -57.2570, -47.1530

Conversions

Conversions Part 2

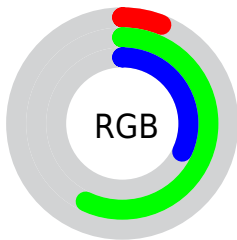
Format	Color
R_{YB}	15, 101, 145
Decimal	1020242
CIE _{Lab}	52.91, -47.27, 24.52
CIE _{LCh}	53, 53.251, 152.580
Y _{xy}	20.9616, 0.2679, 0.4741
Android (android.graphics.Color)	4279210322 (0xFF0F9152)
Y _{UV}	98.9480, -8.3554, -73.6224
Hunter-Lab	45.7838, -33.9418, 17.2765

Details

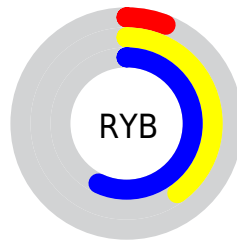
The Yxy color **20.9616, 0.2679, 0.4741** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9082, 0.4729, 0.2471**, and the grayscale version is **12.4904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0492, 0.2803, 0.4378**, and **7.9561, 0.2790, 0.5244** is the 20% darker color. If you saturate the color by 10%, you get **20.7628, 0.2700, 0.4917**, and if you desaturate by 10%, it is **21.2414, 0.2672, 0.4559**.

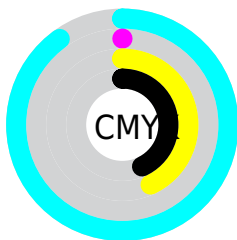
Distribution



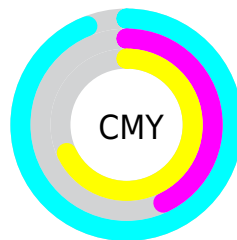
- Red (6%)
- Green (57%)
- Blue (32%)



- Red (6%)
- Yellow (40%)
- Blue (57%)



- Cyan (90%)
- Magenta (0%)
- Yellow (43%)
- Black (43%)





- Cyan (94%)
- Magenta (43%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9616, 0.2679, 0.4741 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 20.9616, 0.2679, 0.4741 by changing the saturation by 10% instead.


 20.9616, 0.2679,
0.4741


 20.9616, 0.2679,
0.4741


257.0744, 0.2963,
0.3863


 13.0959, 0.2578,
0.5031

 45.0236, 0.2802,
0.4375

 7.4946, 0.2422,
0.5458


 61.9888, 0.2841,
0.4253

 3.7733, 0.2160,
0.6135

 82.7559, 0.2872,
0.4155

 1.5476, 0.1166,
0.8834

 107.7093, 0.2897,
0.4075

 0.3219, 0.0000,
1.0000

 137.2335, 0.2918,
0.4009

 0.0000, 0.0000,
0.0000

 171.7128, 0.2935,

0.3952

211.5316, 0.2950,
0.3904

■ 20.9616, 0.2679,
0.4741

■ 20.9616, 0.2679,
0.4741

■ 20.7628, 0.2700,
0.4917

■ 21.2414, 0.2672,
0.4559

■ 20.7573, 0.2701,
0.4922

■ 21.6314, 0.2684,
0.4373

■ 22.1452, 0.2714,
0.4189

■ 22.7935, 0.2760,
0.4011

■ 23.5859, 0.2820,
0.3841

■ 24.5312, 0.2889,
0.3683

■ 25.6372, 0.2965,
0.3537

■ 26.9115, 0.3046,
0.3405

■ 28.3610, 0.3130,
0.3287

Harmonies

Analogous

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



20.9616, 0.3570, 0.5093



20.9616, 0.2679, 0.4741



20.9616, 0.1961, 0.3729

Triad

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



20.9616, 0.2679, 0.4741



20.9616, 0.1845, 0.1895



20.9616, 0.4956, 0.3419

Complementary

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



20.9616, 0.2679, 0.4741



6.9082, 0.4729, 0.2471

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.



20.9616, 0.4349, 0.2791



20.9616, 0.2679, 0.4741



20.9616, 0.2457, 0.1961

Square

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



20.9616, 0.2679, 0.4741



20.9616, 0.1559, 0.2124



20.9616, 0.3370, 0.2277



20.9616, 0.4935, 0.4092

Rectangle

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



20.9616, 0.2679, 0.4741



20.9616, 0.1671, 0.3025



20.9616, 0.3370, 0.2277



20.9616, 0.4819, 0.3202

Sweetspot

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



20.9624, 0.2679, 0.4741



44.3297, 0.2905, 0.3650



21.9902, 0.3423, 0.5569



9.7383, 0.2883, 0.3696



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.



20.9624, 0.2679, 0.4741



37.1355, 0.2710, 0.4956



22.3975, 0.2265, 0.3287



6.0729, 0.3051, 0.3399



17.8084, 0.2698, 0.4912



0.1747, 0.2486, 0.4151

Inverse Universe

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



6.9082, 0.4729, 0.2471



11.5422, 0.5029, 0.2544



6.3937, 0.6157, 0.3299



5.4649, 0.3211, 0.3184



5.5501, 0.4971, 0.2512



0.0575, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 20.9616, 0.2679, 0.4741 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 20.9616, 0.2679, 0.4741 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 20.9616, 0.2679, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 20.9616, 0.2679, 0.4741.



This preview shows how white text looks on a background with the Yxy color 20.9616, 0.2679, 0.4741.

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

20.9616, 0.2679, 0.4741

Protanopia

20.7481, 0.3852, 0.4196

Deuteranopia

20.6216, 0.3915, 0.3834



Tritanopia

20.8417, 0.2336, 0.3069

Trichromacy



Original Color

20.9616, 0.2679, 0.4741



Protanomaly

19.6523, 0.3232, 0.4448



Deuteranomaly

19.1391, 0.3256, 0.4183



Tritanomaly

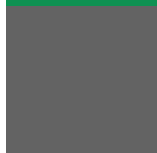
20.6625, 0.2442, 0.3633

Monochromacy



Original Color

20.9616, 0.2679, 0.4741



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.5100, 0.2812, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9616, 0.2679, 0.4741 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(15, 145, 82)` looks like.

```
.text, #text, p{  
    color:rgb(15, 145, 82)  
}
```

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(15, 145, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 145, 82) }
```

Border

The CSS property to change the border of an element to Yxy 20.9616, 0.2679, 0.4741 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(15, 145, 82) }
```

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

```
.border{ border-color:rgb(15, 145, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 145, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 145, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 145, 82);  
box-shadow:4px 4px 4px 4px rgb(15, 145,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9616, 0.2679, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 145, 82) }
```

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

```
.background{ background-color: rgb(15, 145,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor