

Converting Colors

$Yxy(20.9352, 0.2669, 0.4807)$

Have a look what the booklet for
Yxy(20.9352, 0.2669, 0.4807)
contains.

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Color

Yxy(20.8300, 0.2666, 0.4799)

Conversions

Conversions Part 1

Format	Color
Hex	009150
RGB	0, 145, 80
RGB Percent	0%, 57%, 31%
CMY	1.0000, 0.4313, 0.6862
CMYK	1.00, 0.00, 0.45, 0.43
HSL	153°, 100%, 28%
HSV	153°, 100%, 57%
XYZ	11.5717, 20.8300, 11.0031
YIQ	94.2350, -65.5550, -50.9550

Conversions

Conversions Part 2

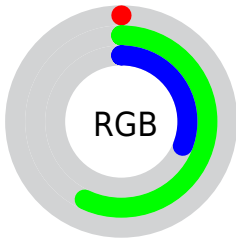
Format	Color
RYB	0, 93, 145
Decimal	37200
CIELab	52.76, -48.58, 25.40
CIELCh	53, 54.819, 152.397
Yxy	20.8300, 0.2666, 0.4799
Android (android.graphics.Color)	4278227280 (0xFF009150)
YUV	94.2350, -7.0179, -82.6441
Hunter-Lab	45.6399, -34.6121, 17.6539

Details

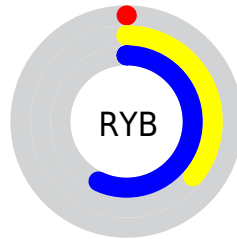
The Yxy color **20.8300, 0.2666, 0.4799** is a dark color, and the websafe version is hex **009966**, and the color name is [spanish green](#). A complement of this color would be **6.4019, 0.5134, 0.2602**, and the grayscale version is **11.2819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8051, 0.2794, 0.4418**, and **7.9442, 0.2807, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **20.8323, 0.2666, 0.4799**, and if you desaturate by 10%, it is **21.0305, 0.2648, 0.4634**.

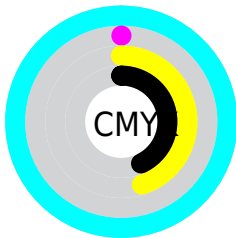
Distribution



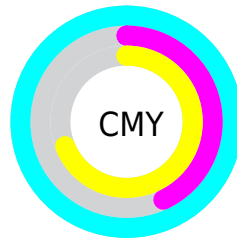
- Red (0%)
- Green (57%)
- Blue (31%)



- Red (0%)
- Yellow (36%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8300, 0.2666, 0.4799 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 20.8300, 0.2666, 0.4799 by changing the saturation by 10% instead.


 20.8300, 0.2666,
0.4799


 20.8300, 0.2666,
0.4799


256.3737, 0.2959,
0.3883


 12.9998, 0.2560,
0.5102


 44.8044, 0.2793,
0.4417


 7.4284, 0.2397,
0.5549


 61.7175, 0.2834,
0.4289

 3.7314, 0.2121,
0.6256

 82.4269, 0.2866,
0.4187

 1.5245, 0.0934,
0.9066

 107.3171, 0.2892,
0.4104

 0.3059, 0.0000,
1.0000

 136.7725, 0.2914,
0.4035

 0.0000, 0.0000,
0.0000

 171.1774, 0.2931,

0.3977

210.9164, 0.2947,
0.3927

■ 20.8300, 0.2666,
0.4799

■ 20.8300, 0.2666,
0.4799

■ 20.8323, 0.2666,
0.4799

■ 21.0305, 0.2648,
0.4634

■ 21.3046, 0.2642,
0.4464

■ 21.6880, 0.2656,
0.4293

■ 22.1933, 0.2689,
0.4123

■ 22.8312, 0.2738,
0.3959

■ 23.6114, 0.2800,
0.3802

■ 24.5425, 0.2873,
0.3656

■ 25.6324, 0.2954,
0.3522

■ 26.8885, 0.3039,
0.3400

Harmonies

Analogous

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



20.8300, 0.3579, 0.5150



20.8300, 0.2666, 0.4799



20.8300, 0.1930, 0.3748

Triad

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



20.8300, 0.2666, 0.4799



20.8300, 0.1810, 0.1860



20.8300, 0.5009, 0.3410

Complementary

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



20.8300, 0.2666, 0.4799



6.4019, 0.5134, 0.2602

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.



20.8300, 0.4382, 0.2772



20.8300, 0.2666, 0.4799



20.8300, 0.2432, 0.1927

Square

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



20.8300, 0.2666, 0.4799



20.8300, 0.1521, 0.2093



20.8300, 0.3369, 0.2248



20.8300, 0.4985, 0.4098

Rectangle

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



20.8300, 0.2666, 0.4799



20.8300, 0.1634, 0.3018



20.8300, 0.3369, 0.2248



20.8300, 0.4868, 0.3190

Sweetspot

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



20.8323, 0.2666, 0.4799



43.8352, 0.2868, 0.3665



21.3853, 0.3314, 0.5751



9.6068, 0.2840, 0.3719



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.



20.8323, 0.2666, 0.4799



37.2683, 0.2675, 0.4831



20.1516, 0.2205, 0.3136



6.0761, 0.3046, 0.3390



17.8721, 0.2664, 0.4789



0.1753, 0.2463, 0.4068

Inverse Universe

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



6.4019, 0.5134, 0.2602



11.4296, 0.5182, 0.2628



6.1777, 0.6353, 0.3338



5.4617, 0.3216, 0.3192



5.4957, 0.5120, 0.2594



0.0569, 0.4168, 0.2070

Previews

White Background



This preview shows how the Yxy color 20.8300, 0.2666, 0.4799 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 20.8300, 0.2666, 0.4799 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 20.8300, 0.2666, 0.4799

Background



This preview shows how black text looks on a background with the Yxy color 20.8300, 0.2666, 0.4799.



This preview shows how white text looks on a background with the Yxy color 20.8300, 0.2666, 0.4799.

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

20.8300, 0.2666, 0.4799

Protanopia

20.4666, 0.3881, 0.4213

Deuteranopia

20.5889, 0.3940, 0.3868



Tritanopia

20.8137, 0.2331, 0.3069

Trichromacy



Original Color

20.8300, 0.2666, 0.4799



Protanomaly

19.0506, 0.3185, 0.4499



Deuteranomaly

18.7735, 0.3205, 0.4247



Tritanomaly

20.5263, 0.2426, 0.3657

Monochromacy



Original Color

20.8300, 0.2666, 0.4799



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

13.4922, 0.2765, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8300, 0.2666, 0.4799 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(0, 145, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 80)  
}
```

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(0, 145, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 80) }
```

Border

The CSS property to change the border of an element to Yxy 20.8300, 0.2666, 0.4799 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(0, 145, 80) }
```

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

```
.border{ border-color:rgb(0, 145, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 145, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.8300, 0.2666, 0.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 80) }
```

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

```
.background{ background-color: rgb(0, 145,  
80) }
```

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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