

Converting Colors

$Yxy(21.0715, 0.2611, 0.4599)$

Have a look what the booklet for
Yxy(21.0715, 0.2611, 0.4599)
contains.

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Color

Yxy(20.9721, 0.2606, 0.4582)

Conversions

Conversions Part 1

Format	Color
Hex	009159
RGB	0, 145, 89
RGB Percent	0%, 57%, 35%
CMY	1.0000, 0.4314, 0.6510
CMYK	1.00, 0.00, 0.39, 0.43
HSL	157°, 100%, 28%
HSV	157°, 100%, 57%
XYZ	11.9278, 20.9721, 12.8707
YIQ	95.2610, -68.4440, -48.1560

Conversions

Conversions Part 2

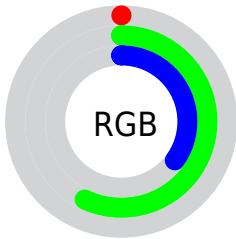
Format	Color
RYB	0, 90, 145
Decimal	37209
CIELab	52.92, -46.74, 20.67
CIELCh	53, 51.103, 156.140
Yxy	20.9721, 0.2606, 0.4582
Android (android.graphics.Color)	4278227289 (0xFF009159)
YUV	95.2610, -3.0867, -83.5439
Hunter-Lab	45.7953, -33.6498, 15.3934

Details

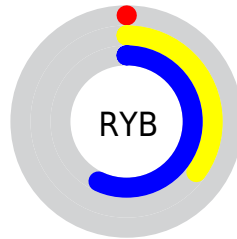
The Yxy color **20.9721, 0.2606, 0.4582** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.3057, 0.5387, 0.2741**, and the grayscale version is **11.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0575, 0.2743, 0.4266**, and **8.0031, 0.2727, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **20.9734, 0.2606, 0.4582**, and if you desaturate by 10%, it is **21.1686, 0.2592, 0.4438**.

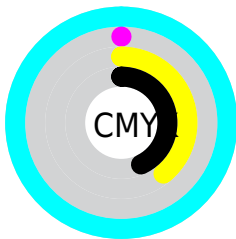
Distribution



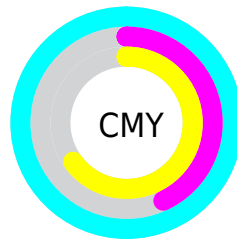
- Red (0%)
- Green (57%)
- Blue (35%)



- Red (0%)
- Yellow (35%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9721, 0.2606, 0.4582 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 20.9721, 0.2606, 0.4582 by changing the saturation by 10% instead.


 20.9721, 0.2606,
0.4582


 20.9721, 0.2606,
0.4582


257.1302, 0.2924,
0.3803


 13.1036, 0.2499,
0.4839


 45.0411, 0.2740,
0.4258

 7.4999, 0.2338,
0.5217


 62.0104, 0.2784,
0.4150

 3.7767, 0.2078,
0.5822

 82.7821, 0.2819,
0.4063

 1.5494, 0.1162,
0.8242

 107.7406, 0.2848,
0.3992

 0.3231, 0.0000,
1.0000

 137.2702, 0.2872,
0.3933

 0.0000, 0.0000,
0.0000

 171.7554, 0.2892,

0.3883

211.5806, 0.2909,
0.3840

■ 20.9721, 0.2606,
0.4582

■ 20.9721, 0.2606,
0.4582

■ 20.9734, 0.2606,
0.4582

■ 21.1686, 0.2592,
0.4438

■ 21.4374, 0.2591,
0.4292

■ 21.8131, 0.2610,
0.4146

■ 22.3083, 0.2648,
0.4001

■ 22.9337, 0.2702,
0.3861

■ 23.6986, 0.2770,
0.3728

■ 24.6118, 0.2850,
0.3604

■ 25.6811, 0.2937,
0.3489

■ 26.9138, 0.3031,
0.3385

Harmonies

Analogous

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



20.9721, 0.3461, 0.5019



20.9721, 0.2606, 0.4582



20.9721, 0.1942, 0.3587

Triad

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



20.9721, 0.2606, 0.4582



20.9721, 0.1941, 0.1934



20.9721, 0.4915, 0.3500

Complementary

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



20.9721, 0.2606, 0.4582



6.3057, 0.5387, 0.2741

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.



20.9721, 0.4397, 0.2880



20.9721, 0.2606, 0.4582



20.9721, 0.2575, 0.2027

Square

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



20.9721, 0.2606, 0.4582



20.9721, 0.1625, 0.2123



20.9721, 0.3479, 0.2361



20.9721, 0.4833, 0.4156

Rectangle

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



20.9721, 0.2606, 0.4582



20.9721, 0.1687, 0.2935



20.9721, 0.3479, 0.2361



20.9721, 0.4807, 0.3287

Sweetspot

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



20.9734, 0.2606, 0.4582



43.9630, 0.2844, 0.3612



21.1517, 0.3254, 0.5798



9.6380, 0.2814, 0.3657



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.



20.9734, 0.2606, 0.4582



37.5231, 0.2614, 0.4610



18.1441, 0.2161, 0.2979



6.0815, 0.3039, 0.3376



17.9937, 0.2604, 0.4573



0.1764, 0.2426, 0.3934

Inverse Universe

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



6.3057, 0.5387, 0.2741



11.2599, 0.5438, 0.2769



6.3478, 0.6302, 0.3378



5.4564, 0.3225, 0.3205



5.4131, 0.5371, 0.2733



0.0558, 0.4347, 0.2169

Previews

White Background



This preview shows how the Yxy color 20.9721, 0.2606, 0.4582 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 20.9721, 0.2606, 0.4582 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 20.9721, 0.2606, 0.4582

Background



This preview shows how black text looks on a background with the Yxy color 20.9721, 0.2606, 0.4582.



This preview shows how white text looks on a background with the Yxy color 20.9721, 0.2606, 0.4582.

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

20.9721, 0.2606, 0.4582

Protanopia

20.8342, 0.3785, 0.4094

Deuteranopia

20.7969, 0.3795, 0.3738



Tritanopia

21.0769, 0.2320, 0.3069

Trichromacy



Original Color

20.9721, 0.2606, 0.4582



Protanomaly

19.4414, 0.3109, 0.4343



Deuteranomaly

19.1353, 0.3102, 0.4072



Tritanomaly

20.9054, 0.2400, 0.3588

Monochromacy



Original Color

20.9721, 0.2606, 0.4582



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

13.5612, 0.2725, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9721, 0.2606, 0.4582 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.9721, 0.2606, 0.4582 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, 89) }
```

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

```
.border{ border-color:rgb(0, 145, 89) }
```

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, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 145, 89)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9721, 0.2606, 0.4582 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, 89) }
```

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

```
.background{ background-color: rgb(0, 145,  
89) }
```

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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