

Converting Colors

$Yxy(18.5728, 0.2284, 0.4691)$

Have a look what the booklet for
Yxy(18.5728, 0.2284, 0.4691)
contains.

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Color

$\text{Yxy}(19.7216, 0.2609, 0.4592)$

Conversions

Conversions Part 1

Format	Color
Hex	008D56
RGB	0, 141, 86
RGB Percent	0%, 55%, 34%
CMY	0.9998, 0.4471, 0.6627
CMYK	1.00, 0.00, 0.39, 0.45
HSL	157°, 100%, 28%
HSV	157°, 100%, 55%
XYZ	11.2051, 19.7216, 12.0211
YIQ	92.5710, -66.3810, -46.9970

Conversions

Conversions Part 2

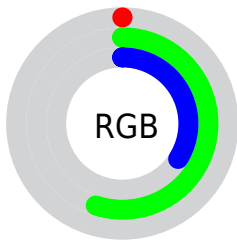
Format	Color
RYB	0, 88, 141
Decimal	36182
CIELab	51.52, -45.87, 20.47
CIELCh	52, 50.232, 155.951
Yxy	19.7216, 0.2609, 0.4592
Android (android.graphics.Color)	4278226262 (0xFF008D56)
YUV	92.5710, -3.2395, -81.1848
Hunter-Lab	44.4090, -32.6775, 15.0371

Details

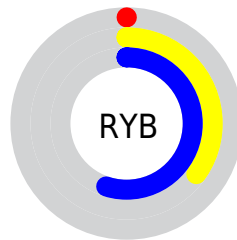
The Yxy color **19.7216, 0.2609, 0.4592** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.9400, 0.5364, 0.2729**, and the grayscale version is **10.8641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0964, 0.2748, 0.4267**, and **7.2980, 0.2735, 0.5047** is the 20% darker color. If you saturate the color by 10%, you get **19.7218, 0.2609, 0.4592**, and if you desaturate by 10%, it is **19.9088, 0.2595, 0.4447**.

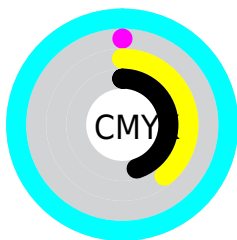
Distribution



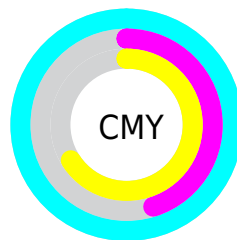
- Red (0%)
- Green (55%)
- Blue (34%)



- Red (0%)
- Yellow (35%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7216, 0.2609, 0.4592 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 19.7216, 0.2609, 0.4592 by changing the saturation by 10% instead.


 19.7216, 0.2609,
0.4592


 19.7216, 0.2609,
0.4592


250.4040, 0.2928,
0.3800


 12.1928, 0.2499,
0.4857


 42.9499, 0.2744,
0.4260


 6.8751, 0.2333,
0.5252


 59.4183, 0.2789,
0.4150

 3.3841, 0.2059,
0.5892

 79.6353, 0.2824,
0.4062

 1.3354, 0.0648,
0.9352

 103.9854, 0.2853,
0.3990

 0.1684, 0.0000,
1.0000

 132.8529, 0.2877,
0.3931

 0.0000, 0.0000,
0.0000

 166.6222, 0.2897,

0.3881

205.6778, 0.2914,
0.3838

■ 19.7216, 0.2609,
0.4592

■ 19.7216, 0.2609,
0.4592

■ 19.7218, 0.2609,
0.4592

■ 19.9088, 0.2595,
0.4447

■ 20.1637, 0.2595,
0.4300

■ 20.5191, 0.2614,
0.4152

■ 20.9867, 0.2651,
0.4006

■ 21.5764, 0.2705,
0.3865

■ 22.2971, 0.2773,
0.3731

■ 23.1568, 0.2852,
0.3606

■ 24.1628, 0.2939,
0.3490

■ 25.3219, 0.3032,
0.3385

Harmonies

Analogous

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



19.7216, 0.3467, 0.5026



19.7216, 0.2609, 0.4592



19.7216, 0.1942, 0.3595

Triad

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



19.7216, 0.2609, 0.4592



19.7216, 0.1935, 0.1930



19.7216, 0.4919, 0.3496

Complementary

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



19.7216, 0.2609, 0.4592



5.9400, 0.5364, 0.2729

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.



19.7216, 0.4396, 0.2875



19.7216, 0.2609, 0.4592



19.7216, 0.2568, 0.2022

Square

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



19.7216, 0.2609, 0.4592



19.7216, 0.1620, 0.2122



19.7216, 0.3474, 0.2356



19.7216, 0.4840, 0.4153

Rectangle

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



19.7216, 0.2609, 0.4592



19.7216, 0.1684, 0.2939



19.7216, 0.3474, 0.2356



19.7216, 0.4810, 0.3283

Sweetspot

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



19.7224, 0.2609, 0.4592



41.3572, 0.2846, 0.3614



19.9033, 0.3256, 0.5796



9.1051, 0.2816, 0.3660



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.



19.7224, 0.2609, 0.4592



35.2841, 0.2617, 0.4622



17.0778, 0.2161, 0.2980



6.0811, 0.3039, 0.3377



17.9854, 0.2608, 0.4587



0.1763, 0.2429, 0.3943

Inverse Universe

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



5.9400, 0.5364, 0.2729



10.6041, 0.5417, 0.2758



5.9808, 0.6298, 0.3380



5.4568, 0.3224, 0.3204



5.4179, 0.5356, 0.2724



0.0559, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 19.7216, 0.2609, 0.4592 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 19.7216, 0.2609, 0.4592 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 19.7216, 0.2609, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 19.7216, 0.2609, 0.4592.



This preview shows how white text looks on a background with the Yxy color 19.7216, 0.2609, 0.4592.

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

19.7216, 0.2609, 0.4592

Protanopia

19.4557, 0.3793, 0.4098

Deuteranopia

19.4246, 0.3803, 0.3732



Tritanopia

19.7983, 0.2322, 0.3064

Trichromacy



Original Color

19.7216, 0.2609, 0.4592

Protanomaly

18.2259, 0.3121, 0.4348

Deuteranomaly

17.9352, 0.3113, 0.4070

Tritanomaly

19.6536, 0.2396, 0.3573

Monochromacy



Original Color

19.7216, 0.2609, 0.4592

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.8199, 0.2737, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7216, 0.2609, 0.4592 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, 141, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 86)  
}
```

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, 141, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 86) }
```

Border

The CSS property to change the border of an element to Yxy 19.7216, 0.2609, 0.4592 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, 141, 86) }
```

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

```
.border{ border-color:rgb(0, 141, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.7216, 0.2609, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 86) }
```

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

```
.background{ background-color: rgb(0, 141,  
86) }
```

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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