

Converting Colors

$Yxy(19.2686, 0.2183, 0.5652)$

Have a look what the booklet for
Yxy(19.2686, 0.2183, 0.5652)
contains.

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Color

Yxy(21.1729, 0.2808, 0.5310)

Conversions

Conversions Part 1

Format	Color
Hex	00933A
RGB	0, 147, 58
RGB Percent	0%, 58%, 23%
CMY	1.0000, 0.4235, 0.7724
CMYK	1.00, 0.00, 0.61, 0.42
HSL	144°, 100%, 29%
HSV	144°, 100%, 58%
XYZ	11.1965, 21.1729, 7.5042
YIQ	92.9010, -59.0430, -58.8430

Conversions

Conversions Part 2

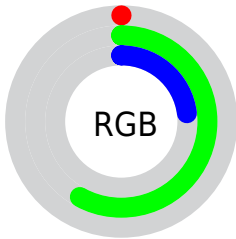
Format	Color
RYB	0, 105, 147
Decimal	37690
CIELab	53.14, -52.90, 37.20
CIELCh	53, 64.677, 144.884
Yxy	21.1729, 0.2808, 0.5310
Android (android.graphics.Color)	4278227770 (0xFF00933A)
YUV	92.9010, -17.2062, -81.4742
Hunter-Lab	46.0140, -37.0904, 22.5405

Details

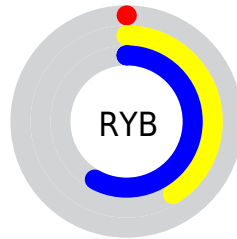
The Yxy color **21.1729, 0.2808, 0.5310** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.9242, 0.4490, 0.2247**, and the grayscale version is **10.9749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.2924, 0.4799**, and **8.1954, 0.2980, 0.5929** is the 20% darker color. If you saturate the color by 10%, you get **21.1749, 0.2808, 0.5310**, and if you desaturate by 10%, it is **21.3725, 0.2783, 0.5110**.

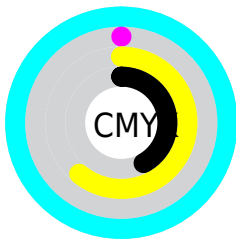
Distribution



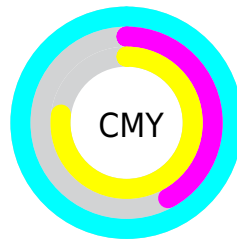
- Red (0%)
- Green (58%)
- Blue (23%)



- Red (0%)
- Yellow (41%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1729, 0.2808, 0.5310 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 21.1729, 0.2808, 0.5310 by changing the saturation by 10% instead.


 21.1729, 0.2808,
0.5310


 21.1729, 0.2808,
0.5310


258.1959, 0.3049,
0.4081


 13.2504, 0.2700,
0.5708


 45.3751, 0.2925,
0.4800


 7.6012, 0.2519,
0.6276


 62.4237, 0.2959,
0.4628


 3.8409, 0.2266,
0.7373

 83.2830, 0.2984,
0.4491

 1.5849, 0.0543,
0.9457

 108.3376, 0.3003,
0.4379

 0.3474, 0.0000,
1.0000

 137.9718, 0.3019,
0.4285

 0.0000, 0.0000,
0.0000

 172.5700, 0.3031,

0.4207

212.5166, 0.3041,
0.4139

■ 21.1729, 0.2808,
0.5310

■ 21.1729, 0.2808,
0.5310

■ 21.1749, 0.2808,
0.5310

■ 21.3725, 0.2783,
0.5110

■ 21.6555, 0.2769,
0.4894

■ 22.0583, 0.2773,
0.4667

■ 22.5942, 0.2794,
0.4436

■ 23.2749, 0.2829,
0.4209

■ 24.1105, 0.2877,
0.3993

■ 25.1106, 0.2933,
0.3791

■ 26.2835, 0.2995,
0.3607

■ 27.6372, 0.3061,
0.3439

Harmonies

Analogous

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



21.1729, 0.3843, 0.5389



21.1729, 0.2808, 0.5310



21.1729, 0.1910, 0.4174

Triad

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



21.1729, 0.2808, 0.5310



21.1729, 0.1525, 0.1702



21.1729, 0.5206, 0.3195

Complementary

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



21.1729, 0.2808, 0.5310



6.9242, 0.4490, 0.2247

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.



21.1729, 0.4313, 0.2522



21.1729, 0.2808, 0.5310



21.1729, 0.2111, 0.1708

Square

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



21.1729, 0.2808, 0.5310



21.1729, 0.1296, 0.2035



21.1729, 0.3097, 0.1995



21.1729, 0.5326, 0.3937

Rectangle

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



21.1729, 0.2808, 0.5310



21.1729, 0.1523, 0.3247



21.1729, 0.3097, 0.1995



21.1729, 0.4983, 0.2961

Sweetspot

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



21.1749, 0.2808, 0.5310



44.8470, 0.2930, 0.3803



23.0756, 0.3548, 0.5565



10.0744, 0.2907, 0.3879



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1749, 0.2808, 0.5310



37.8857, 0.2818, 0.5346



22.4768, 0.2347, 0.3650



6.5041, 0.3066, 0.3427



18.3608, 0.2805, 0.5299



0.2302, 0.2573, 0.4461

Inverse Universe

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



6.9242, 0.4490, 0.2247



12.3638, 0.4523, 0.2265



6.2445, 0.6229, 0.3205



5.8708, 0.3194, 0.3157



6.0075, 0.4481, 0.2242



0.0793, 0.3801, 0.1867

Previews

White Background



This preview shows how the Yxy color 21.1729, 0.2808, 0.5310 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 21.1729, 0.2808, 0.5310 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 21.1729, 0.2808, 0.5310

Background



This preview shows how black text looks on a background with the Yxy color 21.1729, 0.2808, 0.5310.



This preview shows how white text looks on a background with the Yxy color 21.1729, 0.2808, 0.5310.

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

21.1729, 0.2808, 0.5310

Protanopia

20.8324, 0.4130, 0.4513

Deuteranopia

20.7949, 0.4238, 0.4154



Tritanopia

21.2767, 0.2355, 0.3071

Trichromacy



Original Color

21.1729, 0.2808, 0.5310



Protanomaly

19.4902, 0.3399, 0.4941



Deuteranomaly

18.9768, 0.3452, 0.4671



Tritanomaly

20.7228, 0.2495, 0.3837

Monochromacy



Original Color

21.1729, 0.2808, 0.5310



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

13.3192, 0.2848, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1729, 0.2808, 0.5310 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, 147, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 58)  
}
```

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, 147, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 58) }
```

Border

The CSS property to change the border of an element to Yxy 21.1729, 0.2808, 0.5310 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, 147, 58) }
```

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

```
.border{ border-color:rgb(0, 147, 58) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1729, 0.2808, 0.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 58) }
```

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

```
.background{ background-color: rgb(0, 147,  
58) }
```

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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