

Converting Colors

$Y_{xy}(19.5353, 0.2518, 0.6145)$

Have a look what the booklet for
Yxy(19.5353, 0.2518, 0.6145)
contains.

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Color

Yxy(20.9376, 0.2951, 0.5824)

Conversions

Conversions Part 1

Format	Color
Hex	009319
RGB	0, 147, 25
RGB Percent	0%, 58%, 10%
CMY	1.0000, 0.4235, 0.9018
CMYK	1.00, 0.00, 0.83, 0.42
HSL	130°, 100%, 29%
HSV	130°, 100%, 58%
XYZ	10.6090, 20.9376, 4.4039
YIQ	89.1390, -48.4500, -69.1060

Conversions

Conversions Part 2

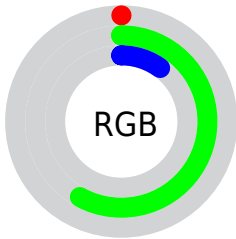
Format	Color
RYB	0, 126, 147
Decimal	37657
CIELab	52.88, -56.16, 50.11
CIELCh	53, 75.265, 138.260
Yxy	20.9376, 0.2951, 0.5824
Android (android.graphics.Color)	4278227737 (0xFF009319)
YUV	89.1390, -31.6205, -78.1749
Hunter-Lab	45.7576, -38.6902, 26.3240

Details

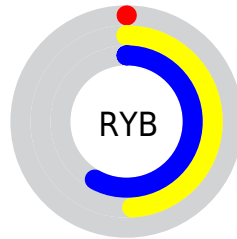
The Yxy color **20.9376, 0.2951, 0.5824** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.6075, 0.3683, 0.1803**, and the grayscale version is **10.1035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8465, 0.3074, 0.5203**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.9388, 0.2951, 0.5824**, and if you desaturate by 10%, it is **21.1026, 0.2937, 0.5653**.

Distribution



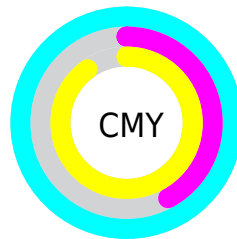
- Red (0%)
- Green (58%)
- Blue (10%)



- Red (0%)
- Yellow (49%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9376, 0.2951, 0.5824 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 20.9376, 0.2951, 0.5824 by changing the saturation by 10% instead.


 20.9376, 0.2951,
0.5824


 20.9376, 0.2951,
0.5824


256.9467, 0.3157,
0.4293

 13.0784, 0.2822,
0.6288


 44.9837, 0.3073,
0.5201

 7.4826, 0.2611,
0.6961


 61.9393, 0.3102,
0.4987

 3.7657, 0.2184,
0.7816

 82.6959, 0.3121,
0.4814

 1.5434, 0.0000,
1.0000

 107.6378, 0.3135,
0.4672

 0.3190, 0.0000,
1.0000


 137.1495, 0.3143,
0.4553


 0.0000, 0.0000,
0.0000


 171.6152, 0.3150,


0.4453

 211.4195, 0.3154,
0.4367


 20.9376, 0.2951,
0.5824


 20.9376, 0.2951,
0.5824


 20.9388, 0.2951,
0.5824

 21.1026, 0.2937,
0.5653

 21.3609, 0.2927,
0.5429

 21.7499, 0.2928,
0.5161

 22.2842, 0.2939,
0.4868

 22.9768, 0.2960,
0.4565

■ 23.8390, 0.2988,
0.4267

■ 24.8811, 0.3021,
0.3986

■ 26.1125, 0.3056,
0.3728

■ 27.5423, 0.3092,
0.3496

Harmonies

Analogous

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



20.9376, 0.4096, 0.5524



20.9376, 0.2951, 0.5824



20.9376, 0.1902, 0.4709

Triad

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



20.9376, 0.2951, 0.5824



20.9376, 0.1258, 0.1552



20.9376, 0.5378, 0.2962

Complementary

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



20.9376, 0.2951, 0.5824



7.6075, 0.3683, 0.1803

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.



20.9376, 0.4187, 0.2265



20.9376, 0.2951, 0.5824



20.9376, 0.1792, 0.1499

Square

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



20.9376, 0.2951, 0.5824



20.9376, 0.1086, 0.1990



20.9376, 0.2790, 0.1746



20.9376, 0.5669, 0.3736

Rectangle

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



20.9376, 0.2951, 0.5824



20.9376, 0.1420, 0.3554



20.9376, 0.2790, 0.1746



20.9376, 0.5058, 0.2719

Sweetspot

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



20.9388, 0.2951, 0.5824



44.4317, 0.3019, 0.4003



25.0428, 0.3907, 0.5280



9.9724, 0.3006, 0.4109



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.



20.9388, 0.2951, 0.5824



37.4782, 0.2958, 0.5849



21.7503, 0.2554, 0.4396



6.4836, 0.3095, 0.3479



18.1547, 0.2949, 0.5816



0.2252, 0.2780, 0.5208

Inverse Universe

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



7.6075, 0.3683, 0.1803



13.6006, 0.3694, 0.1809



6.4251, 0.5596, 0.2856



5.8924, 0.3162, 0.3108



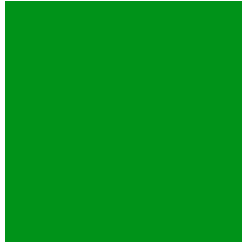
6.5982, 0.3680, 0.1801



0.0844, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 20.9376, 0.2951, 0.5824 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 20.9376, 0.2951, 0.5824 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 20.9376, 0.2951, 0.5824

Background



This preview shows how black text looks on a background with the Yxy color 20.9376, 0.2951, 0.5824.



This preview shows how white text looks on a background with the Yxy color 20.9376, 0.2951, 0.5824.

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

20.9376, 0.2951, 0.5824

Protanopia

20.7195, 0.4348, 0.4809

Deuteranopia

20.5150, 0.4514, 0.4434



Tritanopia

21.0215, 0.2369, 0.3071

Trichromacy



Original Color

20.9376, 0.2951, 0.5824



Protanomaly

19.2780, 0.3586, 0.5369



Deuteranomaly

18.5312, 0.3684, 0.5091



Tritanomaly

20.4604, 0.2594, 0.4144

Monochromacy



Original Color

20.9376, 0.2951, 0.5824



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

12.4151, 0.2969, 0.4469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9376, 0.2951, 0.5824 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 25) }
```

Border

The CSS property to change the border of an element to Yxy 20.9376, 0.2951, 0.5824 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, 25) }
```

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

```
.border{ border-color:rgb(0, 147, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 25)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9376, 0.2951, 0.5824 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, 25) }
```

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

```
.background{ background-color: rgb(0, 147,  
25) }
```

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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