

Converting Colors

$Y_{xy}(22.3800, 0.1736, 0.5791)$

Have a look what the booklet for
 $\text{Yxy}(22.3800, 0.1736, 0.5791)$
contains.

$\text{Yxy}(25.9194, 0.2784, 0.5221)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(25.9194, 0.2784, 0.5221)$

Conversions

Conversions Part 1

Format	Color
Hex	00A145
RGB	0, 161, 69
RGB Percent	0%, 63%, 27%
CMY	0.9991, 0.3686, 0.7294
CMYK	1.00, 0.00, 0.57, 0.37
HSL	146°, 100%, 32%
HSV	146°, 100%, 63%
XYZ	13.8210, 25.9194, 9.9041
YIQ	102.3730, -66.4240, -62.7440

Conversions

Conversions Part 2

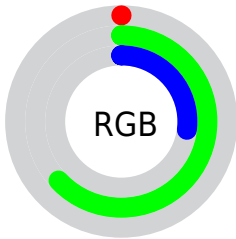
Format	Color
RYB	0, 113, 161
Decimal	41285
CIELab	57.96, -55.87, 37.57
CIELCh	58, 67.326, 146.078
Yxy	25.9194, 0.2784, 0.5221
Android (android.graphics.Color)	4278231365 (0xFF00A145)
YUV	102.3730, -16.4529, -89.7811
Hunter-Lab	50.9111, -40.6363, 24.1037

Details

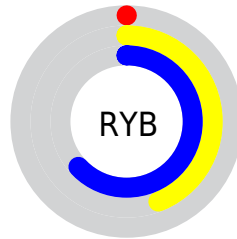
The Yxy color **25.9194, 0.2784, 0.5221** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.3586, 0.4634, 0.2327**, and the grayscale version is **13.4656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1056, 0.2893, 0.4752**, and **10.7721, 0.2937, 0.5773** is the 20% darker color. If you saturate the color by 10%, you get **25.9173, 0.2784, 0.5224**, and if you desaturate by 10%, it is **26.1555, 0.2757, 0.5026**.

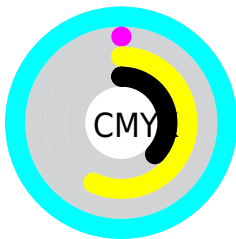
Distribution



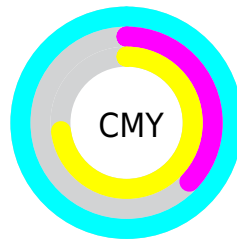
- Red (0%)
- Green (63%)
- Blue (27%)



- Red (0%)
- Yellow (44%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9194, 0.2784, 0.5221 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 25.9194, 0.2784, 0.5221 by changing the saturation by 10% instead.


 25.9194, 0.2784,
0.5221


 25.9194, 0.2784,
0.5221


282.3862, 0.3027,
0.4078


 16.7634, 0.2686,
0.5575


 53.1449, 0.2896,
0.4757


 10.0659, 0.2530,
0.6069


 71.9831, 0.2931,
0.4598


 5.4427, 0.2267,
0.6803

 94.8175, 0.2957,
0.4469

 2.5093, 0.1733,
0.8267

 122.0325, 0.2977,
0.4363

 0.8813, 0.0000,
1.0000

 154.0125, 0.2994,
0.4274

 0.0000, 0.0000,
0.0000

 191.1418, 0.3007,

0.4199

233.8049, 0.3018,
0.4134

■ 25.9194, 0.2784,
0.5221

■ 25.9194, 0.2784,
0.5221

■ 25.9173, 0.2784,
0.5224

■ 26.1555, 0.2757,
0.5026

■ 26.4984, 0.2743,
0.4816

■ 26.9870, 0.2748,
0.4598

■ 27.6380, 0.2771,
0.4377

■ 28.4660, 0.2809,
0.4162

■ 29.4836, 0.2860,
0.3956

■ 30.7023, 0.2920,
0.3765

■ 32.1329, 0.2986,
0.3589

■ 33.7850, 0.3057,
0.3430

Harmonies

Analogous

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



25.9194, 0.3799, 0.5354



25.9194, 0.2784, 0.5221



25.9194, 0.1914, 0.4094

Triad

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



25.9194, 0.2784, 0.5221



25.9194, 0.1573, 0.1729



25.9194, 0.5174, 0.3233

Complementary

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



25.9194, 0.2784, 0.5221



8.3586, 0.4634, 0.2327

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.



25.9194, 0.4327, 0.2566



25.9194, 0.2784, 0.5221



25.9194, 0.2165, 0.1745

Square

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



25.9194, 0.2784, 0.5221



25.9194, 0.1334, 0.2045



25.9194, 0.3145, 0.2039



25.9194, 0.5267, 0.3967

Rectangle

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



25.9194, 0.2784, 0.5221



25.9194, 0.1542, 0.3204



25.9194, 0.3145, 0.2039



25.9194, 0.4965, 0.3001

Sweetspot

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



25.9205, 0.2784, 0.5221



54.8200, 0.2915, 0.3778



27.8701, 0.3493, 0.5607



11.8266, 0.2891, 0.3852



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.9205, 0.2784, 0.5221



46.3787, 0.2794, 0.5257



27.6163, 0.2318, 0.3545



7.9430, 0.3061, 0.3421



20.7076, 0.2780, 0.5208



0.4445, 0.2578, 0.4482

Inverse Universe

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



8.3586, 0.4634, 0.2327



14.9177, 0.4670, 0.2346



7.6126, 0.6293, 0.3242



7.1507, 0.3200, 0.3162



6.6789, 0.4622, 0.2320



0.1495, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 25.9194, 0.2784, 0.5221 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 25.9194, 0.2784, 0.5221 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 25.9194, 0.2784, 0.5221

Background



This preview shows how black text looks on a background with the Yxy color 25.9194, 0.2784, 0.5221.



This preview shows how white text looks on a background with the Yxy color 25.9194, 0.2784, 0.5221.

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

25.9194, 0.2784, 0.5221

Protanopia

25.6831, 0.4082, 0.4475

Deuteranopia

25.4734, 0.4186, 0.4109



Tritanopia

25.8343, 0.2344, 0.3070

Trichromacy



Original Color

25.9194, 0.2784, 0.5221



Protanomaly

23.8458, 0.3351, 0.4866



Deuteranomaly

23.3275, 0.3405, 0.4606



Tritanomaly

25.4788, 0.2477, 0.3811

Monochromacy



Original Color

25.9194, 0.2784, 0.5221



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

16.0279, 0.2825, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9194, 0.2784, 0.5221 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, 161, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 69)  
}
```

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, 161, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 69) }
```

Border

The CSS property to change the border of an element to Yxy 25.9194, 0.2784, 0.5221 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, 161, 69) }
```

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

```
.border{ border-color:rgb(0, 161, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 161, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.9194, 0.2784, 0.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 69) }
```

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

```
.background{ background-color: rgb(0, 161,  
69) }
```

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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