

Converting Colors

$Yxy(21.4241, 0.1737, 0.5782)$

Have a look what the booklet for
Yxy(21.4241, 0.1737, 0.5782)
contains.

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Color

Yxy(24.8711, 0.2781, 0.5213)

Conversions

Conversions Part 1

Format	Color
Hex	009E44
RGB	0, 158, 68
RGB Percent	0%, 62%, 27%
CMY	1.0000, 0.3804, 0.7333
CMYK	1.00, 0.00, 0.57, 0.38
HSL	146°, 100%, 31%
HSV	146°, 100%, 62%
XYZ	13.2681, 24.8711, 9.5706
YIQ	100.4980, -65.2780, -61.4860

Conversions

Conversions Part 2

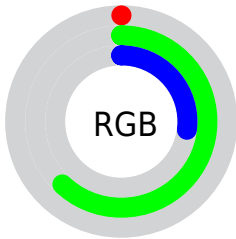
Format	Color
RYB	0, 110, 158
Decimal	40516
CIELab	56.95, -55.06, 36.85
CIELCh	57, 66.257, 146.208
Yxy	24.8711, 0.2781, 0.5213
Android (android.graphics.Color)	4278230596 (0xFF009E44)
YUV	100.4980, -16.0215, -88.1367
Hunter-Lab	49.8709, -39.7845, 23.5315

Details

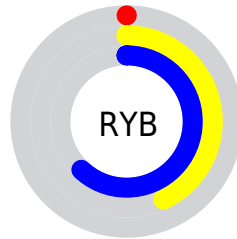
The Yxy color **24.8711, 0.2781, 0.5213** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.0081, 0.4645, 0.2332**, and the grayscale version is **12.9337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4998, 0.2890, 0.4740**, and **10.1468, 0.2938, 0.5776** is the 20% darker color. If you saturate the color by 10%, you get **24.8736, 0.2781, 0.5213**, and if you desaturate by 10%, it is **25.1005, 0.2755, 0.5018**.

Distribution



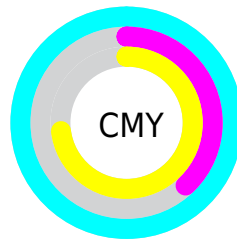
- Red (0%)
- Green (62%)
- Blue (27%)



- Red (0%)
- Yellow (43%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8711, 0.2781, 0.5213 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 24.8711, 0.2781, 0.5213 by changing the saturation by 10% instead.


 24.8711, 0.2781,
0.5213


 24.8711, 0.2781,
0.5213


277.1954, 0.3027,
0.4068


 15.9810, 0.2681,
0.5571


 51.4480, 0.2895,
0.4746


 9.5107, 0.2522,
0.6075


 69.9037, 0.2929,
0.4586


 5.0758, 0.2254,
0.6840

 92.3167, 0.2956,
0.4458

 2.2918, 0.1608,
0.8392

 119.0714, 0.2976,
0.4352

 0.7694, 0.0000,
1.0000

 150.5523, 0.2993,
0.4263

 0.0000, 0.0000,
0.0000

 187.1436, 0.3006,

0.4188

229.2299, 0.3017,
0.4124

■ 24.8711, 0.2781,
0.5213

■ 24.8711, 0.2781,
0.5213

■ 24.8736, 0.2781,
0.5213

■ 25.1005, 0.2755,
0.5018

■ 25.4289, 0.2741,
0.4810

■ 25.8965, 0.2746,
0.4592

■ 26.5193, 0.2769,
0.4373

■ 27.3110, 0.2807,
0.4159

■ 28.2840, 0.2858,
0.3955

■ 29.4490, 0.2918,
0.3764

■ 30.8164, 0.2985,
0.3589

■ 32.3955, 0.3055,
0.3431

Harmonies

Analogous

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



24.8711, 0.3794, 0.5351



24.8711, 0.2781, 0.5213



24.8711, 0.1913, 0.4086

Triad

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



24.8711, 0.2781, 0.5213



24.8711, 0.1577, 0.1731



24.8711, 0.5171, 0.3236

Complementary

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



24.8711, 0.2781, 0.5213



8.0081, 0.4645, 0.2332

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.



24.8711, 0.4330, 0.2570



24.8711, 0.2781, 0.5213



24.8711, 0.2171, 0.1749

Square

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



24.8711, 0.2781, 0.5213



24.8711, 0.1337, 0.2045



24.8711, 0.3150, 0.2042



24.8711, 0.5262, 0.3970

Rectangle

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



24.8711, 0.2781, 0.5213



24.8711, 0.1543, 0.3199



24.8711, 0.3150, 0.2042



24.8711, 0.4964, 0.3005

Sweetspot

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



24.8736, 0.2781, 0.5213



53.3400, 0.2915, 0.3775



26.7403, 0.3494, 0.5608



11.8282, 0.2890, 0.3849



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.



24.8736, 0.2781, 0.5213



45.1275, 0.2791, 0.5247



26.4956, 0.2318, 0.3545



7.4461, 0.3061, 0.3420



19.9268, 0.2777, 0.5197



0.3646, 0.2562, 0.4424

Inverse Universe

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



8.0081, 0.4645, 0.2332



14.5004, 0.4679, 0.2351



7.2993, 0.6294, 0.3241



6.7063, 0.3200, 0.3163



6.4210, 0.4630, 0.2324



0.1232, 0.3940, 0.1944

Previews

White Background



This preview shows how the Yxy color 24.8711, 0.2781, 0.5213 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 24.8711, 0.2781, 0.5213 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 24.8711, 0.2781, 0.5213

Background



This preview shows how black text looks on a background with the Yxy color 24.8711, 0.2781, 0.5213.



This preview shows how white text looks on a background with the Yxy color 24.8711, 0.2781, 0.5213.

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

24.8711, 0.2781, 0.5213

Protanopia

24.5246, 0.4082, 0.4467

Deuteranopia

24.5941, 0.4178, 0.4108



Tritanopia

24.7420, 0.2345, 0.3066

Trichromacy



Original Color

24.8711, 0.2781, 0.5213



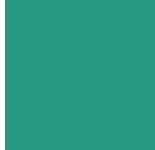
Protanomaly

22.8035, 0.3349, 0.4857



Deuteranomaly

22.3014, 0.3403, 0.4592



Tritanomaly

24.4201, 0.2473, 0.3800

Monochromacy



Original Color

24.8711, 0.2781, 0.5213



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

15.7303, 0.2824, 0.4084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8711, 0.2781, 0.5213 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, 158, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 68)  
}
```

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, 158, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 68) }
```

Border

The CSS property to change the border of an element to Yxy 24.8711, 0.2781, 0.5213 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, 158, 68) }
```

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

```
.border{ border-color:rgb(0, 158, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.8711, 0.2781, 0.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 68) }
```

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

```
.background{ background-color: rgb(0, 158,  
68) }
```

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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