

Converting Colors

$Yxy(12.4995, 0.1939, 0.5657)$

Have a look what the booklet for
Yxy(12.4995, 0.1939, 0.5657)
contains.

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Color

Yxy(14.1581, 0.2780, 0.5209)

Conversions

Conversions Part 1

Format	Color
Hex	007A33
RGB	0, 122, 51
RGB Percent	0%, 48%, 20%
CMY	1.0000, 0.5215, 0.8000
CMYK	1.00, 0.00, 0.58, 0.52
HSL	145°, 100%, 24%
HSV	145°, 100%, 48%
XYZ	7.5561, 14.1581, 5.4659
YIQ	77.4280, -49.9210, -47.9450

Conversions

Conversions Part 2

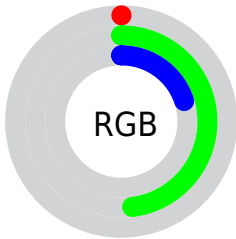
Format	Color
RYB	0, 86, 122
Decimal	31283
CIELab	44.46, -45.61, 30.46
CIELCh	44, 54.843, 146.261
Yxy	14.1581, 0.2780, 0.5209
Android (android.graphics.Color)	4278221363 (0xFF007A33)
YUV	77.4280, -13.0290, -67.9044
Hunter-Lab	37.6273, -30.0025, 17.7263

Details

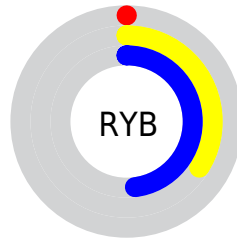
The Yxy color **14.1581, 0.2780, 0.5209** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.5930, 0.4554, 0.2282**, and the grayscale version is **7.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5293, 0.2913, 0.4686**, and **4.6413, 0.2979, 0.5924** is the 20% darker color. If you saturate the color by 10%, you get **14.1593, 0.2780, 0.5209**, and if you desaturate by 10%, it is **14.3064, 0.2760, 0.5011**.

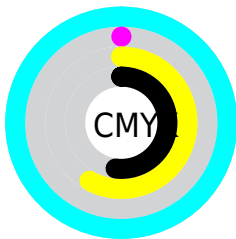
Distribution



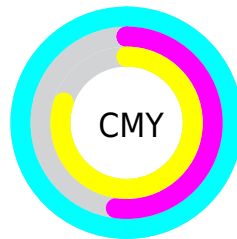
- Red (0%)
- Green (48%)
- Blue (20%)



- Red (0%)
- Yellow (34%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1581, 0.2780, 0.5209 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 14.1581, 0.2780, 0.5209 by changing the saturation by 10% instead.


 14.1581, 0.2780,
0.5209


 14.1581, 0.2780,
0.5209


218.2122, 0.3040,
0.3980


 8.2307, 0.2654,
0.5656


 33.3693, 0.2909,
0.4672


 4.2429, 0.2429,
0.6346

 47.4219, 0.2946,
0.4501


 1.8104, 0.1839,
0.8161

 64.9517, 0.2972,
0.4367

 0.4936, 0.0000,
1.0000


 86.3430, 0.2992,
0.4259


 0.0000, 0.0000,
0.0000


 111.9803, 0.3008,
0.4170


 142.2481, 0.3021,


0.4096

 177.5305, 0.3031,
0.4034


 14.1581, 0.2780,
0.5209


 14.1581, 0.2780,
0.5209


 14.1593, 0.2780,
0.5209

 14.3064, 0.2760,
0.5011

 14.5034, 0.2750,
0.4802

 14.7781, 0.2758,
0.4585

 15.1387, 0.2781,
0.4367

 15.5925, 0.2820,
0.4154

■ 16.1458, 0.2869,
0.3951

■ 16.8043, 0.2927,
0.3762

■ 17.5735, 0.2991,
0.3588

■ 18.4584, 0.3059,
0.3431

Harmonies

Analogous

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



14.1581, 0.3792, 0.5349



14.1581, 0.2780, 0.5209



14.1581, 0.1913, 0.4083

Triad

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



14.1581, 0.2780, 0.5209



14.1581, 0.1579, 0.1732



14.1581, 0.5170, 0.3238

Complementary

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



14.1581, 0.2780, 0.5209



4.5930, 0.4554, 0.2282

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.



14.1581, 0.4330, 0.2572



14.1581, 0.2780, 0.5209



14.1581, 0.2173, 0.1750

Square

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



14.1581, 0.2780, 0.5209



14.1581, 0.1339, 0.2045



14.1581, 0.3152, 0.2044



14.1581, 0.5259, 0.3971

Rectangle

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



14.1581, 0.2780, 0.5209



14.1581, 0.1544, 0.3198



14.1581, 0.3152, 0.2044



14.1581, 0.4964, 0.3007

Sweetspot

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



14.1593, 0.2780, 0.5209



29.4710, 0.2923, 0.3775



15.2663, 0.3509, 0.5596



6.6456, 0.2903, 0.3837



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.1593, 0.2780, 0.5209



24.8822, 0.2792, 0.5251



15.0866, 0.2316, 0.3538



4.4752, 0.3065, 0.3417



14.9046, 0.2781, 0.5213



70.9345, 0.2807, 0.5306

Inverse Universe

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



4.5930, 0.4554, 0.2282



8.0522, 0.4594, 0.2304



4.1602, 0.6260, 0.3222



4.0505, 0.3195, 0.3166



4.8336, 0.4558, 0.2285



22.8839, 0.4648, 0.2334

Previews

White Background



This preview shows how the Yxy color 14.1581, 0.2780, 0.5209 looks on a white 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

Black Background



This preview shows how the Yxy color 14.1581, 0.2780, 0.5209 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.1581, 0.2780, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 14.1581, 0.2780, 0.5209.



This preview shows how white text looks on a background with the Yxy color 14.1581, 0.2780, 0.5209.

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

14.1581, 0.2780, 0.5209

Protanopia

14.0823, 0.4078, 0.4458

Deuteranopia

13.9989, 0.4173, 0.4115



Tritanopia

14.3451, 0.2358, 0.3079

Trichromacy



Original Color

14.1581, 0.2780, 0.5209



Protanomaly

13.0381, 0.3359, 0.4844



Deuteranomaly

12.7503, 0.3401, 0.4591



Tritanomaly

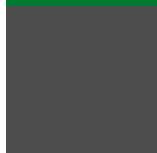
14.1112, 0.2496, 0.3828

Monochromacy



Original Color

14.1581, 0.2780, 0.5209



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

8.8990, 0.2832, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1581, 0.2780, 0.5209 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, 122, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 51)  
}
```

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, 122, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 51) }
```

Border

The CSS property to change the border of an element to Yxy 14.1581, 0.2780, 0.5209 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, 122, 51) }
```

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

```
.border{ border-color:rgb(0, 122, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.1581, 0.2780, 0.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 51) }
```

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

```
.background{ background-color: rgb(0, 122,  
51) }
```

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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