

Converting Colors

$Yxy(27.0277, 0.2721, 0.4988)$

Have a look what the booklet for
Yxy(27.0277, 0.2721, 0.4988)
contains.

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Color

Yxy(27.1666, 0.2721, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	01A452
RGB	1, 164, 82
RGB Percent	0%, 64%, 32%
CMY	0.9974, 0.3568, 0.6784
CMYK	1.00, 0.00, 0.50, 0.36
HSL	150°, 99%, 32%
HSV	150°, 100%, 64%
XYZ	14.8078, 27.1666, 12.4459
YIQ	105.9150, -70.8260, -60.0580

Conversions

Conversions Part 2

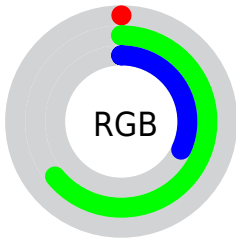
Format	Color
RYB	1, 110, 164
Decimal	107602
CIELab	59.13, -54.79, 32.47
CIELCh	59, 63.685, 149.347
Yxy	27.1666, 0.2721, 0.4992
Android (android.graphics.Color)	4278297682 (0xFF01A452)
YUV	105.9150, -11.7901, -92.0105
Hunter-Lab	52.1216, -40.5009, 22.3275

Details

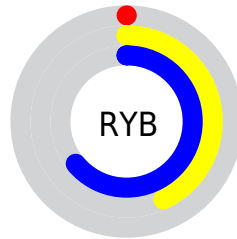
The Yxy color **27.1666, 0.2721, 0.4992** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.5272, 0.4922, 0.2488**, and the grayscale version is **14.4080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0535, 0.2834, 0.4583**, and **11.4844, 0.2862, 0.5502** is the 20% darker color. If you saturate the color by 10%, you get **27.1584, 0.2722, 0.4999**, and if you desaturate by 10%, it is **27.4161, 0.2696, 0.4811**.

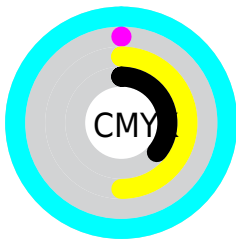
Distribution



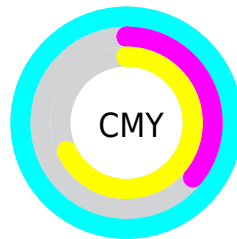
- Red (0%)
- Green (64%)
- Blue (32%)



- Red (0%)
- Yellow (43%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1666, 0.2721, 0.4992 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 27.1666, 0.2721, 0.4992 by changing the saturation by 10% instead.


 27.1666, 0.2721,
0.4992


 27.1666, 0.2721,
0.4992


288.4629, 0.2984,
0.3993


 17.6984, 0.2627,
0.5300


 55.1511, 0.2836,
0.4587


 10.7337, 0.2483,
0.5735


 74.4362, 0.2872,
0.4448

 5.8880, 0.2247,
0.6379

 97.7623, 0.2901,
0.4336

 2.7771, 0.1936,
0.7962

 125.5139, 0.2925,
0.4243

 1.0165, 0.0000,
1.0000

 158.0754, 0.2944,
0.4165

 0.0000, 0.0000,
0.0000

 195.8311, 0.2959,

0.4099

239.1654, 0.2973,
0.4042

■ 27.1666, 0.2721,
0.4992

■ 27.1666, 0.2721,
0.4992

■ 27.1584, 0.2722,
0.4999

■ 27.4161, 0.2696,
0.4811

■ 27.7759, 0.2686,
0.4621

■ 28.2841, 0.2696,
0.4427

■ 28.9580, 0.2724,
0.4234

■ 29.8123, 0.2769,
0.4046

■ 30.8602, 0.2826,
0.3867

■ 32.1135, 0.2894,
0.3701

■ 33.5830, 0.2969,
0.3548

■ 35.2789, 0.3049,
0.3409

Harmonies

Analogous

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



27.1666, 0.3682, 0.5251



27.1666, 0.2721, 0.4992



27.1666, 0.1922, 0.3901

Triad

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



27.1666, 0.2721, 0.4992



27.1666, 0.1699, 0.1799



27.1666, 0.5086, 0.3329

Complementary

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



27.1666, 0.2721, 0.4992



8.5272, 0.4922, 0.2488

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.



27.1666, 0.4360, 0.2677



27.1666, 0.2721, 0.4992



27.1666, 0.2308, 0.1843

Square

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



27.1666, 0.2721, 0.4992



27.1666, 0.1433, 0.2071



27.1666, 0.3268, 0.2151



27.1666, 0.5115, 0.4040

Rectangle

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



27.1666, 0.2721, 0.4992



27.1666, 0.1592, 0.3100



27.1666, 0.3268, 0.2151



27.1666, 0.4915, 0.3103

Sweetspot

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



27.1677, 0.2721, 0.4992



58.0477, 0.2887, 0.3716



28.4896, 0.3397, 0.5682



12.4852, 0.2860, 0.3782



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.1677, 0.2721, 0.4992



49.2489, 0.2731, 0.5031



29.1418, 0.2261, 0.3337



7.9511, 0.3052, 0.3405



20.8308, 0.2717, 0.4982



0.4472, 0.2531, 0.4311

Inverse Universe

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



8.5272, 0.4922, 0.2488



15.3991, 0.4971, 0.2512



7.9152, 0.6372, 0.3289



7.1425, 0.3210, 0.3178



6.5322, 0.4911, 0.2479



0.1468, 0.4150, 0.2060

Previews

White Background



This preview shows how the Yxy color 27.1666, 0.2721, 0.4992 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 27.1666, 0.2721, 0.4992 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 27.1666, 0.2721, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 27.1666, 0.2721, 0.4992.



This preview shows how white text looks on a background with the Yxy color 27.1666, 0.2721, 0.4992.

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

27.1666, 0.2721, 0.4992

Protanopia

26.9083, 0.3977, 0.4347

Deuteranopia

26.7071, 0.4061, 0.3978



Tritanopia

27.2895, 0.2337, 0.3074

Trichromacy



Original Color

27.1666, 0.2721, 0.4992



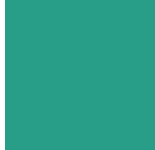
Protanomaly

25.0578, 0.3272, 0.4684



Deuteranomaly

24.4809, 0.3302, 0.4426



Tritanomaly

26.6824, 0.2446, 0.3719

Monochromacy



Original Color

27.1666, 0.2721, 0.4992



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.2708, 0.2795, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1666, 0.2721, 0.4992 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(1, 164, 82)` looks like.

```
.text, #text, p{  
    color:rgb(1, 164, 82)  
}
```

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(1, 164, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 164, 82) }
```

Border

The CSS property to change the border of an element to Yxy 27.1666, 0.2721, 0.4992 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(1, 164, 82) }
```

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

```
.border{ border-color:rgb(1, 164, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 164, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 164, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 164, 82);  
box-shadow:4px 4px 4px 4px rgb(1, 164, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.1666, 0.2721, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 164, 82) }
```

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

```
.background{ background-color: rgb(1, 164,  
82) }
```

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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