

Converting Colors

$Y_{xy}(26.7328, 0.3107, 0.5915)$

Have a look what the booklet for
Yxy(26.7328, 0.3107, 0.5915)
contains.

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Color

Yxy(26.6658, 0.3108, 0.5914)

Conversions

Conversions Part 1

Format	Color
Hex	29A300
RGB	41, 163, 0
RGB Percent	16%, 64%, 0%
CMY	0.8390, 0.3608, 0.9998
CMYK	0.75, 0.00, 1.00, 0.36
HSL	105°, 100%, 32%
HSV	105°, 100%, 64%
XYZ	14.0137, 26.6658, 4.4097
YIQ	107.9400, -20.3890, -76.5570

Conversions

Conversions Part 2

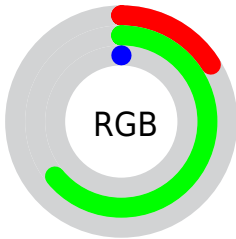
Format	Color
R_{YB}	0, 163, 122
Decimal	2728704
CIE _{Lab}	58.66, -57.68, 60.05
CIE _{LCh}	59, 83.264, 133.849
Yxy	26.6658, 0.3108, 0.5914
Android (android.graphics.Color)	4280918784 (0xFF29A300)
YUV	107.9400, -53.2144, -58.7064
Hunter-Lab	51.6389, -41.9269, 31.0842

Details

The Yxy color **26.6658, 0.3108, 0.5914** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **6.7828, 0.2586, 0.1198**, and the grayscale version is **15.1425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3191, 0.3208, 0.5331**, and **11.1519, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.6659, 0.3108, 0.5914**, and if you desaturate by 10%, it is **26.9966, 0.3148, 0.5792**.

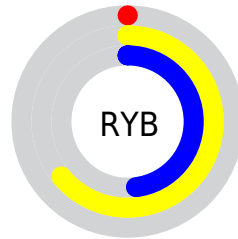
Distribution



Red (16%)

Green (64%)

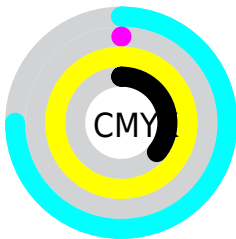
Blue (0%)



Red (0%)

Yellow (64%)

Blue (48%)

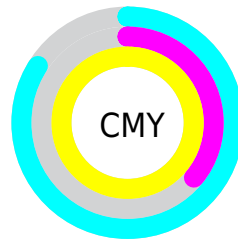


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (84%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6658, 0.3108, 0.5914 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 26.6658, 0.3108, 0.5914 by changing the saturation by 10% instead.


 26.6658, 0.3108,
0.5914


 26.6658, 0.3108,
0.5914


286.0353, 0.3246,
0.4404


 17.3224, 0.2998,
0.6325


 54.3471, 0.3206,
0.5329


 10.4646, 0.2816,
0.6880


 73.4538, 0.3227,
0.5118


 5.7081, 0.2462,
0.7538

 96.5837, 0.3239,
0.4944

 2.6684, 0.1724,
0.8276

 124.1212, 0.3245,
0.4800

 0.9612, 0.0000,
1.0000


 156.4508, 0.3248,
0.4677

 0.0000, 0.0000,
0.0000


 193.9567, 0.3248,

0.4573

 237.0234, 0.3247,
0.4482


 26.6658, 0.3108,
0.5914

 26.6658, 0.3108,
0.5914


 26.6659, 0.3108,
0.5914

 26.9966, 0.3148,
0.5792

 27.4415, 0.3185,
0.5611

 28.0208, 0.3211,
0.5367

 28.7452, 0.3224,
0.5076

 29.6245, 0.3226,
0.4758

■ 30.6676, 0.3218,
0.4432

■ 31.8825, 0.3201,
0.4113

■ 33.2768, 0.3180,
0.3813

■ 34.8577, 0.3154,
0.3538

Harmonies

Analogous

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



26.6658, 0.4263, 0.5433



26.6658, 0.3108, 0.5914



26.6658, 0.2013, 0.4990

Triad

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



26.6658, 0.3108, 0.5914



26.6658, 0.1187, 0.1563



26.6658, 0.5290, 0.2842

Complementary

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



26.6658, 0.3108, 0.5914



6.7828, 0.2586, 0.1198

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.



26.6658, 0.3988, 0.2156



26.6658, 0.3108, 0.5914



26.6658, 0.1665, 0.1463

Square

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



26.6658, 0.3108, 0.5914



26.6658, 0.1062, 0.2076



26.6658, 0.2601, 0.1669



26.6658, 0.5731, 0.3609

Rectangle

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



26.6658, 0.3108, 0.5914



26.6658, 0.1478, 0.3810



26.6658, 0.2601, 0.1669



26.6658, 0.4922, 0.2600

Sweetspot

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



26.6669, 0.3108, 0.5914



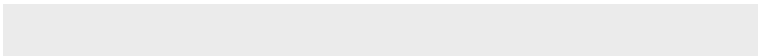
56.9619, 0.3203, 0.4132



21.1112, 0.4752, 0.4609



12.5904, 0.3210, 0.4258



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.



26.6669, 0.3108, 0.5914



47.6762, 0.3098, 0.5922



26.3349, 0.2924, 0.5725



7.9772, 0.3152, 0.3520



20.7435, 0.3113, 0.5910



0.4568, 0.3373, 0.5704

Inverse Universe

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



6.7828, 0.2586, 0.1198



12.0443, 0.2574, 0.1192



9.2679, 0.3896, 0.1920



7.1120, 0.3099, 0.3066



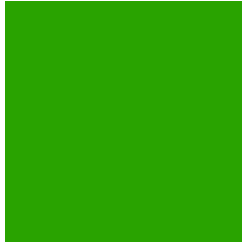
5.2919, 0.2591, 0.1201



0.1315, 0.2829, 0.1332

Previews

White Background



This preview shows how the Yxy color 26.6658, 0.3108, 0.5914 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 26.6658, 0.3108, 0.5914 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 26.6658, 0.3108, 0.5914

Background



This preview shows how black text looks on a background with the Yxy color 26.6658, 0.3108, 0.5914.



This preview shows how white text looks on a background with the Yxy color 26.6658, 0.3108, 0.5914.

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

26.6658, 0.3108, 0.5914

Protanopia

26.3189, 0.4393, 0.4894

Deuteranopia

26.1265, 0.4589, 0.4508



Tritanopia

26.7565, 0.2422, 0.3075

Trichromacy



Original Color

26.6658, 0.3108, 0.5914



Protanomaly

25.1397, 0.3801, 0.5364



Deuteranomaly

24.5165, 0.3941, 0.5120



Tritanomaly

25.9002, 0.2776, 0.4339

Monochromacy



Original Color

26.6658, 0.3108, 0.5914



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.7528, 0.3225, 0.4599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6658, 0.3108, 0.5914 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(41, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 163, 0)  
}
```

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(41, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.6658, 0.3108, 0.5914 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(41, 163, 0) }
```

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

```
.border{ border-color:rgb(41, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(41, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 163, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.6658, 0.3108, 0.5914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 163, 0) }
```

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

```
.background{ background-color: rgb(41, 163,  
0) }
```

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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