

Converting Colors

$Y_{xy}(29.1414, 0.3001, 0.5520)$

Have a look what the booklet for
Yxy(29.1414, 0.3001, 0.5520)
contains.

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Color

Yxy(29.1641, 0.3000, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	2DA932
RGB	45, 169, 50
RGB Percent	18%, 66%, 20%
CMY	0.8234, 0.3373, 0.8039
CMYK	0.73, 0.00, 0.70, 0.34
HSL	122°, 58%, 42%
HSV	122°, 73%, 66%
XYZ	15.8472, 29.1641, 7.8127
YIQ	118.3580, -35.7050, -63.2970

Conversions

Conversions Part 2

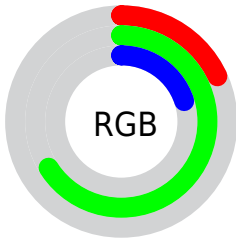
Format	Color
R_{YB}	45, 164, 169
Decimal	2992434
CIE _{Lab}	60.93, -56.38, 49.52
CIE _{LCh}	61, 75.044, 138.706
Yxy	29.1641, 0.3000, 0.5521
Android (android.graphics.Color)	4281182514 (0xFF2DA932)
YUV	118.3580, -33.7005, -64.3350
Hunter-Lab	54.0038, -42.1266, 29.2252

Details

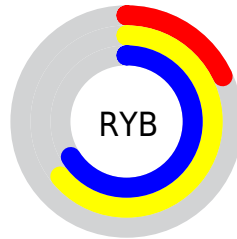
The Yxy color **29.1641, 0.3000, 0.5521** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.9958, 0.3271, 0.1771**, and the grayscale version is **18.3553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1447, 0.3083, 0.5007**, and **12.2615, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.7393, 0.2994, 0.5753**, and if you desaturate by 10%, it is **29.7944, 0.3011, 0.5228**.

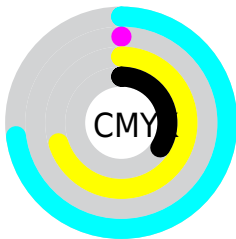
Distribution



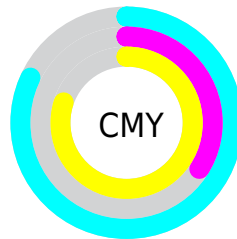
- Red (18%)
- Green (66%)
- Blue (20%)



- Red (18%)
- Yellow (64%)
- Blue (66%)



- Cyan (73%)
- Magenta (0%)
- Yellow (70%)
- Black (34%)





- Cyan (82%)
- Magenta (34%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1641, 0.3000, 0.5521 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 29.1641, 0.3000, 0.5521 by changing the saturation by 10% instead.


 29.1641, 0.3000,
0.5521


 29.1641, 0.3000,
0.5521


297.9884, 0.3150,
0.4234

 19.2050, 0.2916,
0.5891


 58.3377, 0.3085,
0.5014


 11.8185, 0.2772,
0.6383


 78.3210, 0.3106,
0.4834


 6.6202, 0.2553,
0.7160


 102.4145, 0.3121,
0.4688

 3.2257, 0.2038,
0.7962

 131.0025, 0.3132,
0.4566

 1.2507, 0.0000,
1.0000

 164.4696, 0.3139,
0.4463

 0.1025, 0.0000,
1.0000

 203.2000, 0.3144,

 0.0000, 0.0000,

0.4375

0.0000

247.5781, 0.3148,
0.4300

■ 29.1641, 0.3000,
0.5521

■ 29.1641, 0.3000,
0.5521

■ 28.7393, 0.2994,
0.5753

■ 29.7944, 0.3011,
0.5228

■ 28.4913, 0.2994,
0.5909

■ 30.6476, 0.3027,
0.4897

■ 28.3911, 0.2992,
0.5972

■ 31.7434, 0.3045,
0.4555

■ 33.0983, 0.3064,
0.4219

■ 34.7274, 0.3084,
0.3905

■ 36.6446, 0.3103,
0.3620

■ 38.8629, 0.3121,
0.3368

■ 41.3944, 0.3138,
0.3147

■ 44.2508, 0.3153,
0.2955

Harmonies

Analogous

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



29.1641, 0.4061, 0.5356



29.1641, 0.3000, 0.5521



29.1641, 0.2023, 0.4518

Triad

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



29.1641, 0.3000, 0.5521



29.1641, 0.1401, 0.1688



29.1641, 0.5159, 0.3031

Complementary

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



29.1641, 0.3000, 0.5521



12.9958, 0.3271, 0.1771

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.



29.1641, 0.4103, 0.2366



29.1641, 0.3000, 0.5521



29.1641, 0.1917, 0.1635

Square

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



29.1641, 0.3000, 0.5521



29.1641, 0.1235, 0.2111



29.1641, 0.2849, 0.1872



29.1641, 0.5446, 0.3774

Rectangle

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



29.1641, 0.3000, 0.5521



29.1641, 0.1567, 0.3524



29.1641, 0.2849, 0.1872



29.1641, 0.4873, 0.2798

Sweetspot

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



29.1653, 0.3000, 0.5521



62.5005, 0.3086, 0.3876



36.5512, 0.4039, 0.4896



13.4456, 0.3081, 0.3954



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.1653, 0.3000, 0.5521



51.1594, 0.2993, 0.5860



30.0859, 0.2662, 0.4413



8.4124, 0.3111, 0.3514



21.1615, 0.2991, 0.5967



0.5163, 0.2949, 0.5818

Inverse Universe

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



12.9958, 0.3271, 0.1771



20.5903, 0.3297, 0.1636



11.2916, 0.4390, 0.2511



7.6613, 0.3143, 0.3076



8.2384, 0.3310, 0.1597



0.2020, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 29.1641, 0.3000, 0.5521 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 29.1641, 0.3000, 0.5521 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 29.1641, 0.3000, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 29.1641, 0.3000, 0.5521.



This preview shows how white text looks on a background with the Yxy color 29.1641, 0.3000, 0.5521.

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

29.1641, 0.3000, 0.5521

Protanopia

28.6321, 0.4255, 0.4678

Deuteranopia

28.6259, 0.4403, 0.4327



Tritanopia

29.0995, 0.2411, 0.3066

Trichromacy



Original Color

29.1641, 0.3000, 0.5521



Protanomaly

27.3734, 0.3683, 0.5057



Deuteranomaly

27.0136, 0.3769, 0.4811



Tritanomaly

28.5663, 0.2640, 0.3955

Monochromacy



Original Color

29.1641, 0.3000, 0.5521



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.9058, 0.3064, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1641, 0.3000, 0.5521 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(45, 169, 50)` looks like.

```
.text, #text, p{  
    color:rgb(45, 169, 50)  
}
```

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(45, 169, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 169, 50) }
```

Border

The CSS property to change the border of an element to Yxy 29.1641, 0.3000, 0.5521 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(45, 169, 50) }
```

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

```
.border{ border-color:rgb(45, 169, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 169, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 169, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 169, 50);  
box-shadow:4px 4px 4px 4px rgb(45, 169,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1641, 0.3000, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 169, 50) }
```

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

```
.background{ background-color: rgb(45, 169,  
50) }
```

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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