

Converting Colors

$Yxy(29.3094, 0.3033, 0.5726)$

Have a look what the booklet for
Yxy(29.3094, 0.3033, 0.5726)
contains.

Yxy(29.3161, 0.3034, 0.5725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3161, 0.3034, 0.5725)

Conversions

Conversions Part 1

Format	Color
Hex	28AA22
RGB	40, 170, 34
RGB Percent	16%, 67%, 13%
CMY	0.8435, 0.3333, 0.8666
CMYK	0.77, 0.00, 0.80, 0.33
HSL	117°, 67%, 40%
HSV	117°, 80%, 67%
XYZ	15.5363, 29.3161, 6.3548
YIQ	115.6260, -33.8240, -69.8560

Conversions

Conversions Part 2

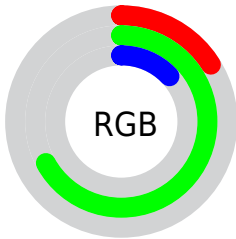
Format	Color
RYB	34, 170, 164
Decimal	2664994
CIELab	61.06, -58.77, 55.28
CIELCh	61, 80.685, 136.751
Yxy	29.3161, 0.3034, 0.5725
Android (android.graphics.Color)	4280855074 (0xFF28AA22)
YUV	115.6260, -40.2416, -66.3240
Hunter-Lab	54.1443, -43.5336, 30.9423

Details

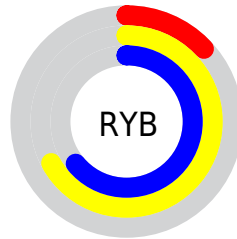
The Yxy color **29.3161, 0.3034, 0.5725** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.9541, 0.3120, 0.1610**, and the grayscale version is **17.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3190, 0.3128, 0.5178**, and **12.4908, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.9828, 0.3019, 0.5894**, and if you desaturate by 10%, it is **29.8374, 0.3050, 0.5478**.

Distribution



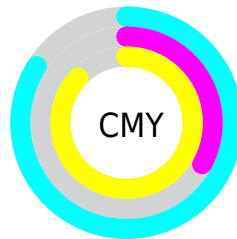
- Red (16%)
- Green (67%)
- Blue (13%)



- Red (13%)
- Yellow (67%)
- Blue (64%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (33%)





- Cyan (84%)
- Magenta (33%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3161, 0.3034, 0.5725 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 29.3161, 0.3034, 0.5725 by changing the saturation by 10% instead.


 29.3161, 0.3034,
0.5725


 29.3161, 0.3034,
0.5725


298.7035, 0.3186,
0.4328


 19.3201, 0.2939,
0.6115


 58.5789, 0.3126,
0.5180


 11.9018, 0.2774,
0.6620


 78.6145, 0.3149,
0.4985


 6.6768, 0.2540,
0.7460


 102.7654, 0.3163,
0.4825

 3.2608, 0.1933,
0.8067

 131.4161, 0.3173,
0.4692

 1.2694, 0.0000,
1.0000

 164.9508, 0.3179,
0.4580

 0.1173, 0.0000,
1.0000

 203.7540, 0.3183,

 0.0000, 0.0000,

0.4483

0.0000

248.2101, 0.3185,
0.4400

■ 29.3161, 0.3034,
0.5725

■ 29.3161, 0.3034,
0.5725

■ 28.9828, 0.3019,
0.5894

■ 29.8374, 0.3050,
0.5478

■ 28.8000, 0.3010,
0.5992

■ 30.5648, 0.3067,
0.5171

■ 28.7998, 0.3010,
0.5992

■ 31.5181, 0.3082,
0.4830

■ 32.7139, 0.3095,
0.4480

■ 34.1672, 0.3106,
0.4141

■ 35.8918, 0.3115,
0.3826

■ 37.9007, 0.3122,
0.3542

■ 40.2057, 0.3127,
0.3290

■ 42.8183, 0.3131,
0.3070

Harmonies

Analogous

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



29.3161, 0.4145, 0.5422



29.3161, 0.3034, 0.5725



29.3161, 0.1998, 0.4722

Triad

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



29.3161, 0.3034, 0.5725



29.3161, 0.1294, 0.1616



29.3161, 0.5249, 0.2949

Complementary

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



29.3161, 0.3034, 0.5725



11.9541, 0.3120, 0.1610

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.



29.3161, 0.4077, 0.2269



29.3161, 0.3034, 0.5725



29.3161, 0.1799, 0.1545

Square

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



29.3161, 0.3034, 0.5725



29.3161, 0.1143, 0.2076



29.3161, 0.2747, 0.1773



29.3161, 0.5592, 0.3707

Rectangle

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



29.3161, 0.3034, 0.5725



29.3161, 0.1508, 0.3631



29.3161, 0.2747, 0.1773



29.3161, 0.4926, 0.2710

Sweetspot

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



29.3173, 0.3034, 0.5725



63.6605, 0.3111, 0.3963



34.9311, 0.4190, 0.4878



13.9591, 0.3108, 0.4074



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.3173, 0.3034, 0.5725



52.3118, 0.3010, 0.5968



29.9231, 0.2725, 0.4766



8.4226, 0.3122, 0.3523



21.1897, 0.3012, 0.5990



0.5202, 0.3067, 0.5947

Inverse Universe

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



11.9541, 0.3120, 0.1610



19.5503, 0.3104, 0.1495



10.7928, 0.4313, 0.2339



7.6498, 0.3131, 0.3067



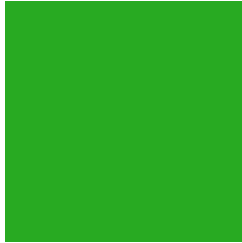
7.8417, 0.3103, 0.1483



0.1957, 0.3140, 0.1504

Previews

White Background



This preview shows how the Yxy color 29.3161, 0.3034, 0.5725 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 29.3161, 0.3034, 0.5725 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 29.3161, 0.3034, 0.5725

Background



This preview shows how black text looks on a background with the Yxy color 29.3161, 0.3034, 0.5725.



This preview shows how white text looks on a background with the Yxy color 29.3161, 0.3034, 0.5725.

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

29.3161, 0.3034, 0.5725

Protanopia

28.9506, 0.4330, 0.4792

Deuteranopia

28.7543, 0.4511, 0.4425



Tritanopia

29.0563, 0.2405, 0.3065

Trichromacy



Original Color

29.3161, 0.3034, 0.5725



Protanomaly

27.5295, 0.3736, 0.5220



Deuteranomaly

26.8198, 0.3837, 0.4966



Tritanomaly

28.3450, 0.2670, 0.4080

Monochromacy



Original Color

29.3161, 0.3034, 0.5725



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.3549, 0.3098, 0.4346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3161, 0.3034, 0.5725 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(40, 170, 34)` looks like.

```
.text, #text, p{  
    color:rgb(40, 170, 34)  
}
```

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(40, 170, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 170, 34) }
```

Border

The CSS property to change the border of an element to Yxy 29.3161, 0.3034, 0.5725 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(40, 170, 34) }
```

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

```
.border{ border-color:rgb(40, 170, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 170, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 170, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 170, 34);  
box-shadow:4px 4px 4px 4px rgb(40, 170,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3161, 0.3034, 0.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 170, 34) }
```

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

```
.background{ background-color: rgb(40, 170,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor