

Converting Colors

$Yxy(28.6827, 0.3314, 0.5483)$

Have a look what the booklet for
Yxy(28.6827, 0.3314, 0.5483)
contains.

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Color

Yxy(28.5631, 0.3312, 0.5484)

Conversions

Conversions Part 1

Format	Color
Hex	54A424
RGB	84, 164, 36
RGB Percent	33%, 64%, 14%
CMY	0.6706, 0.3569, 0.8589
CMYK	0.49, 0.00, 0.78, 0.36
HSL	97°, 64%, 39%
HSV	97°, 78%, 64%
XYZ	17.2504, 28.5631, 6.2710
YIQ	125.4880, -6.5920, -56.7680

Conversions

Conversions Part 2

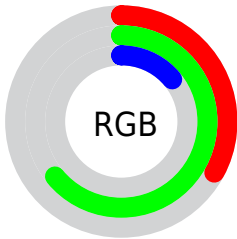
Format	Color
R_{YB}	36, 164, 116
Decimal	5547044
CIE _{Lab}	60.39, -46.20, 54.48
CIE _{LCh}	60, 71.427, 130.297
Yxy	28.5631, 0.3312, 0.5484
Android (android.graphics.Color)	4283737124 (0xFF54A424)
YUV	125.4880, -44.1176, -36.3850
Hunter-Lab	53.4445, -35.9130, 30.4543

Details

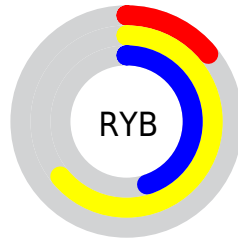
The Yxy color **28.5631, 0.3312, 0.5484** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7.6519, 0.2504, 0.1319**, and the grayscale version is **20.8358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5172, 0.3336, 0.5010**, and **11.4975, 0.3069, 0.5946** is the 20% darker color. If you saturate the color by 10%, you get **28.0473, 0.3277, 0.5671**, and if you desaturate by 10%, it is **29.1965, 0.3330, 0.5242**.

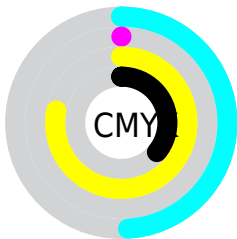
Distribution



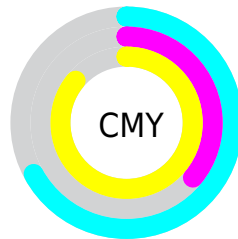
- Red (33%)
- Green (64%)
- Blue (14%)



- Red (14%)
- Yellow (64%)
- Blue (45%)



- Cyan (49%)
- Magenta (0%)
- Yellow (78%)
- Black (36%)





- Cyan (67%)
- Magenta (36%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5631, 0.3312, 0.5484 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 28.5631, 0.3312, 0.5484 by changing the saturation by 10% instead.

 28.5631, 0.3312,
0.5484


 28.5631, 0.3312,
0.5484


295.1479, 0.3302,
0.4242

 18.7506, 0.3264,
0.5823


 57.3822, 0.3340,
0.5005


 11.4902, 0.3161,
0.6259


 77.1576, 0.3340,
0.4832

 6.3976, 0.3018,
0.6982


 101.0227, 0.3336,
0.4690

 3.0883, 0.2503,
0.7497

 129.3619, 0.3330,
0.4570

 1.1780, 0.0000,
1.0000

 162.5596, 0.3323,
0.4469

 0.0436, 0.0000,
1.0000

 201.0003, 0.3316,

 0.0000, 0.0000,

0.4383

0.0000

245.0683, 0.3309,
0.4308

■ 28.5631, 0.3312,
0.5484

■ 28.5631, 0.3312,
0.5484

■ 28.0473, 0.3277,
0.5671

■ 29.1965, 0.3330,
0.5242

■ 27.6326, 0.3229,
0.5802

■ 29.9521, 0.3331,
0.4961

■ 27.5608, 0.3220,
0.5825

■ 30.8386, 0.3316,
0.4657

■ 31.8627, 0.3289,
0.4346

■ 33.0307, 0.3252,
0.4042

■ 34.3484, 0.3210,
0.3754

■ 35.8212, 0.3165,
0.3488

■ 37.4543, 0.3118,
0.3245

■ 39.2526, 0.3072,
0.3027

Harmonies

Analogous

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



28.5631, 0.4319, 0.5116



28.5631, 0.3312, 0.5484



28.5631, 0.2310, 0.4824

Triad

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



28.5631, 0.3312, 0.5484



28.5631, 0.1374, 0.1815



28.5631, 0.4852, 0.2857

Complementary

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



28.5631, 0.3312, 0.5484



7.6519, 0.2504, 0.1319

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.



28.5631, 0.3720, 0.2241



28.5631, 0.3312, 0.5484



28.5631, 0.1778, 0.1669

Square

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



28.5631, 0.3312, 0.5484



28.5631, 0.1304, 0.2361



28.5631, 0.2569, 0.1823



28.5631, 0.5368, 0.3568

Rectangle

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



28.5631, 0.3312, 0.5484



28.5631, 0.1787, 0.3915



28.5631, 0.2569, 0.1823



28.5631, 0.4516, 0.2637

Sweetspot

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



28.5643, 0.3312, 0.5484



61.0272, 0.3233, 0.3906



20.2648, 0.4683, 0.4363



13.1661, 0.3248, 0.4007



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.



28.5643, 0.3312, 0.5484



50.3170, 0.3239, 0.5774



27.1648, 0.2958, 0.5503



8.0184, 0.3170, 0.3518



21.1570, 0.3227, 0.5820



0.4710, 0.3528, 0.5581

Inverse Universe

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



7.6519, 0.2504, 0.1319



10.6091, 0.2334, 0.1081



11.3253, 0.3435, 0.1820



7.0688, 0.3080, 0.3064



4.2701, 0.2303, 0.1042



0.1154, 0.2643, 0.1229

Previews

White Background



This preview shows how the Yxy color 28.5631, 0.3312, 0.5484 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 28.5631, 0.3312, 0.5484 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 28.5631, 0.3312, 0.5484

Background



This preview shows how black text looks on a background with the Yxy color 28.5631, 0.3312, 0.5484.



This preview shows how white text looks on a background with the Yxy color 28.5631, 0.3312, 0.5484.

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

28.5631, 0.3312, 0.5484

Protanopia

28.1363, 0.4318, 0.4769

Deuteranopia

27.9285, 0.4519, 0.4423



Tritanopia

28.5023, 0.2600, 0.3087

Trichromacy



Original Color

28.5631, 0.3312, 0.5484

Protanomaly

27.6346, 0.3906, 0.5060

Deuteranomaly

27.1603, 0.4037, 0.4822

Tritanomaly

27.9633, 0.2907, 0.4013

Monochromacy



Original Color

28.5631, 0.3312, 0.5484

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.5705, 0.3267, 0.4180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5631, 0.3312, 0.5484 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(84, 164, 36)` looks like.

```
.text, #text, p{  
    color:rgb(84, 164, 36)  
}
```

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(84, 164, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 164, 36) }
```

Border

The CSS property to change the border of an element to Yxy 28.5631, 0.3312, 0.5484 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(84, 164, 36) }
```

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

```
.border{ border-color:rgb(84, 164, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 164, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 164, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 164, 36);  
box-shadow:4px 4px 4px 4px rgb(84, 164,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5631, 0.3312, 0.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 164, 36) }
```

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

```
.background{ background-color: rgb(84, 164,  
36) }
```

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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