

Converting Colors

$Y_{xy}(28.3171, 0.2958, 0.5279)$

Have a look what the booklet for
Yxy(28.3171, 0.2958, 0.5279)
contains.

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Color

Yxy(28.3207, 0.2958, 0.5276)

Conversions

Conversions Part 1

Format	Color
Hex	32A640
RGB	50, 166, 64
RGB Percent	20%, 65%, 25%
CMY	0.8038, 0.3490, 0.7490
CMYK	0.70, 0.00, 0.61, 0.35
HSL	127°, 54%, 42%
HSV	127°, 70%, 65%
XYZ	15.8781, 28.3207, 9.4796
YIQ	119.6880, -36.3940, -56.3140

Conversions

Conversions Part 2

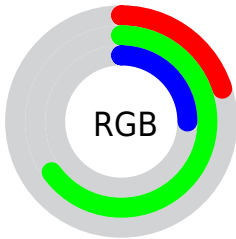
Format	Color
RYB	50, 154, 166
Decimal	3319360
CIELab	60.18, -52.98, 42.70
CIELCh	60, 68.042, 141.132
Yxy	28.3207, 0.2958, 0.5276
Android (android.graphics.Color)	4281509440 (0xFF32A640)
YUV	119.6880, -27.4542, -61.1164
Hunter-Lab	53.2172, -39.8722, 26.6907

Details

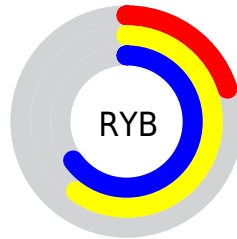
The Yxy color **28.3207, 0.2958, 0.5276** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.6590, 0.3406, 0.1913**, and the grayscale version is **18.7787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9251, 0.3039, 0.4819**, and **11.8278, 0.2978, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **27.8284, 0.2956, 0.5543**, and if you desaturate by 10%, it is **29.0118, 0.2969, 0.4973**.

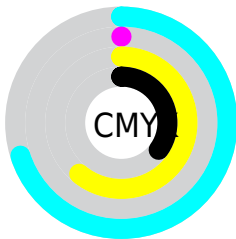
Distribution



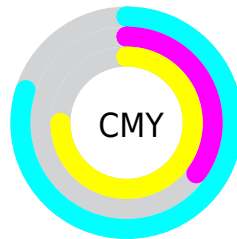
- Red (20%)
- Green (65%)
- Blue (25%)



- Red (20%)
- Yellow (60%)
- Blue (65%)



- Cyan (70%)
- Magenta (0%)
- Yellow (61%)
- Black (35%)




- Cyan (80%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3207, 0.2958, 0.5276 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 28.3207, 0.2958, 0.5276 by changing the saturation by 10% instead.


 28.3207, 0.2958,
0.5276


 28.3207, 0.2958,
0.5276


293.9962, 0.3112,
0.4122

 18.5675, 0.2883,
0.5618


 56.9960, 0.3037,
0.4816

 11.3582, 0.2757,
0.6084


 76.6870, 0.3059,
0.4656


 6.3083, 0.2540,
0.6761


 100.4594, 0.3075,
0.4525

 3.0335, 0.2148,
0.7852

 128.6976, 0.3087,
0.4417

 1.1492, 0.0000,
1.0000

 161.7860, 0.3095,
0.4325

 0.0196, 0.0000,
1.0000

200.1089, 0.3102,

 0.0000, 0.0000,

0.4248

0.0000

244.0509, 0.3107,
0.4181

■ 28.3207, 0.2958,
0.5276

■ 28.3207, 0.2958,
0.5276

■ 27.8284, 0.2956,
0.5543

■ 29.0118, 0.2969,
0.4973

■ 27.5106, 0.2963,
0.5754

■ 29.9162, 0.2988,
0.4653

■ 27.3255, 0.2973,
0.5900

■ 31.0510, 0.3012,
0.4336

■ 27.3233, 0.2973,
0.5902

■ 32.4306, 0.3040,
0.4035

■ 34.0682, 0.3069,
0.3757

■ 35.9760, 0.3099,
0.3508

■ 38.1655, 0.3128,
0.3287

■ 40.6477, 0.3155,
0.3094

■ 43.4326, 0.3181,
0.2927

Harmonies

Analogous

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



28.3207, 0.3956, 0.5254



28.3207, 0.2958, 0.5276



28.3207, 0.2055, 0.4299

Triad

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



28.3207, 0.2958, 0.5276



28.3207, 0.1533, 0.1778



28.3207, 0.5046, 0.3124

Complementary

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



28.3207, 0.2958, 0.5276



12.6590, 0.3406, 0.1913

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.



28.3207, 0.4121, 0.2480



28.3207, 0.2958, 0.5276



28.3207, 0.2058, 0.1744

Square

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



28.3207, 0.2958, 0.5276



28.3207, 0.1350, 0.2157



28.3207, 0.2964, 0.1991



28.3207, 0.5270, 0.3842

Rectangle

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



28.3207, 0.2958, 0.5276



28.3207, 0.1640, 0.3413



28.3207, 0.2964, 0.1991



28.3207, 0.4801, 0.2899

Sweetspot

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



28.3219, 0.2958, 0.5276



61.3440, 0.3065, 0.3798



34.2243, 0.3912, 0.4913



13.5455, 0.3057, 0.3870



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.



28.3219, 0.2958, 0.5276



50.1402, 0.2959, 0.5671



29.3456, 0.2606, 0.4148



8.4219, 0.3100, 0.3494



21.1915, 0.2970, 0.5892



0.5199, 0.2858, 0.5488

Inverse Universe

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



12.6590, 0.3406, 0.1913



19.8287, 0.3476, 0.1769



11.2079, 0.4504, 0.2669



7.6508, 0.3155, 0.3094



7.9006, 0.3532, 0.1719



0.1964, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 28.3207, 0.2958, 0.5276 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 28.3207, 0.2958, 0.5276 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 28.3207, 0.2958, 0.5276

Background



This preview shows how black text looks on a background with the Yxy color 28.3207, 0.2958, 0.5276.



This preview shows how white text looks on a background with the Yxy color 28.3207, 0.2958, 0.5276.

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

28.3207, 0.2958, 0.5276

Protanopia

27.7256, 0.4138, 0.4546

Deuteranopia

27.7195, 0.4274, 0.4190



Tritanopia

28.3534, 0.2428, 0.3080

Trichromacy



Original Color

28.3207, 0.2958, 0.5276



Protanomaly

26.7758, 0.3600, 0.4871



Deuteranomaly

26.4473, 0.3675, 0.4616



Tritanomaly

28.0554, 0.2631, 0.3859

Monochromacy



Original Color

28.3207, 0.2958, 0.5276



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.2443, 0.3040, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3207, 0.2958, 0.5276 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(50, 166, 64)` looks like.

```
.text, #text, p{  
    color:rgb(50, 166, 64)  
}
```

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(50, 166, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 166, 64) }
```

Border

The CSS property to change the border of an element to Yxy 28.3207, 0.2958, 0.5276 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(50, 166, 64) }
```

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

```
.border{ border-color:rgb(50, 166, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 166, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 166, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 166, 64);  
box-shadow:4px 4px 4px 4px rgb(50, 166,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3207, 0.2958, 0.5276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 166, 64) }
```

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

```
.background{ background-color: rgb(50, 166,  
64) }
```

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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