

Converting Colors

$Y_{xy}(28.2326, 0.3184, 0.5536)$

Have a look what the booklet for
Yxy(28.2326, 0.3184, 0.5536)
contains.

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Color

Yxy(28.3220, 0.3183, 0.5540)

Conversions

Conversions Part 1

Format	Color
Hex	45A527
RGB	69, 165, 39
RGB Percent	27%, 65%, 15%
CMY	0.7297, 0.3529, 0.8470
CMYK	0.58, 0.00, 0.76, 0.35
HSL	106°, 62%, 40%
HSV	106°, 76%, 65%
XYZ	16.2724, 28.3220, 6.5284
YIQ	121.9320, -16.7700, -59.5380

Conversions

Conversions Part 2

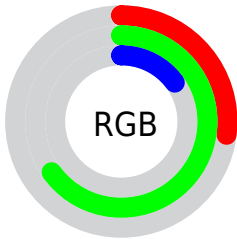
Format	Color
R_{YB}	39, 165, 135
Decimal	4564263
CIE _{Lab}	60.18, -50.72, 53.06
CIE _{LCh}	60, 73.405, 133.707
Yxy	28.3220, 0.3183, 0.5540
Android (android.graphics.Color)	4282754343 (0xFF45A527)
YUV	121.9320, -40.8855, -46.4214
Hunter-Lab	53.2184, -38.5530, 29.9797

Details

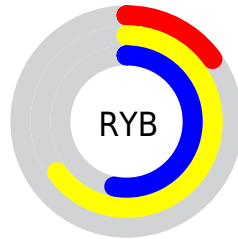
The Yxy color **28.3220, 0.3183, 0.5540** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.3253, 0.2767, 0.1473**, and the grayscale version is **19.5745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0152, 0.3237, 0.5044**, and **11.5883, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.8247, 0.3150, 0.5745**, and if you desaturate by 10%, it is **28.9668, 0.3205, 0.5276**.

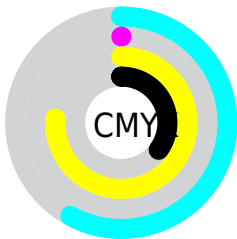
Distribution



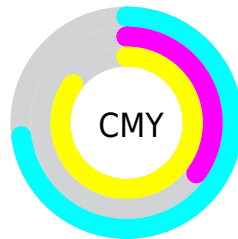
- Red (27%)
- Green (65%)
- Blue (15%)



- Red (15%)
- Yellow (65%)
- Blue (53%)



- Cyan (58%)
- Magenta (0%)
- Yellow (76%)
- Black (35%)





- Cyan (73%)
- Magenta (35%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3220, 0.3183, 0.5540 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 28.3220, 0.3183, 0.5540 by changing the saturation by 10% instead.


 28.3220, 0.3183,
0.5540


 28.3220, 0.3183,
0.5540


294.0024, 0.3243,
0.4253


 18.5685, 0.3117,
0.5900


 56.9981, 0.3237,
0.5038

 11.3589, 0.2990,
0.6368


 76.6896, 0.3247,
0.4859

 6.3088, 0.2823,
0.7177


 100.4624, 0.3251,
0.4712

 3.0337, 0.2260,
0.7740

 128.7012, 0.3252,
0.4589

 1.1494, 0.0000,
1.0000

 161.7901, 0.3251,
0.4485

 0.0198, 0.0000,
1.0000

 200.1137, 0.3248,

 0.0000, 0.0000,

0.4396

0.0000

244.0563, 0.3246,
0.4320

■ 28.3220, 0.3183,
0.5540

■ 28.3220, 0.3183,
0.5540

■ 27.8247, 0.3150,
0.5745

■ 28.9668, 0.3205,
0.5276

■ 27.4574, 0.3110,
0.5882

■ 29.7667, 0.3215,
0.4971

■ 27.3490, 0.3097,
0.5923

■ 30.7328, 0.3215,
0.4646

■ 31.8743, 0.3205,
0.4319

■ 33.1996, 0.3188,
0.4005

■ 34.7165, 0.3167,
0.3712

■ 36.4324, 0.3143,
0.3445

■ 38.3543, 0.3118,
0.3206

■ 40.4889, 0.3092,
0.2994

Harmonies

Analogous

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



28.3220, 0.4224, 0.5232



28.3220, 0.3183, 0.5540



28.3220, 0.2179, 0.4732

Triad

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



28.3220, 0.3183, 0.5540



28.3220, 0.1365, 0.1745



28.3220, 0.5004, 0.2920

Complementary

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



28.3220, 0.3183, 0.5540



9.3253, 0.2767, 0.1473

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.



28.3220, 0.3881, 0.2279



28.3220, 0.3183, 0.5540



28.3220, 0.1816, 0.1637

Square

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



28.3220, 0.3183, 0.5540



28.3220, 0.1256, 0.2242



28.3220, 0.2671, 0.1826



28.3220, 0.5434, 0.3648

Rectangle

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



28.3220, 0.3183, 0.5540



28.3220, 0.1678, 0.3764



28.3220, 0.2671, 0.1826



28.3220, 0.4682, 0.2692

Sweetspot

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



28.3232, 0.3183, 0.5540



60.2133, 0.3182, 0.3916



25.0614, 0.4436, 0.4567



12.9694, 0.3189, 0.4020



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.



28.3232, 0.3183, 0.5540



49.3237, 0.3121, 0.5851



27.7937, 0.2874, 0.5182



7.9725, 0.3150, 0.3520



20.7071, 0.3103, 0.5918



0.4551, 0.3354, 0.5719

Inverse Universe

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



9.3253, 0.2767, 0.1473



13.5277, 0.2658, 0.1267



11.1592, 0.3722, 0.2025



7.1170, 0.3101, 0.3066



5.4229, 0.2625, 0.1220



0.1335, 0.2850, 0.1344

Previews

White Background



This preview shows how the Yxy color 28.3220, 0.3183, 0.5540 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 28.3220, 0.3183, 0.5540 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 28.3220, 0.3183, 0.5540

Background



This preview shows how black text looks on a background with the Yxy color 28.3220, 0.3183, 0.5540.



This preview shows how white text looks on a background with the Yxy color 28.3220, 0.3183, 0.5540.

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

28.3220, 0.3183, 0.5540

Protanopia

27.7434, 0.4305, 0.4747

Deuteranopia

27.8336, 0.4488, 0.4403



Tritanopia

28.2441, 0.2517, 0.3083

Trichromacy



Original Color

28.3220, 0.3183, 0.5540



Protanomaly

27.1730, 0.3825, 0.5083



Deuteranomaly

26.6481, 0.3950, 0.4837



Tritanomaly

27.7411, 0.2798, 0.4008

Monochromacy



Original Color

28.3220, 0.3183, 0.5540



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.8332, 0.3200, 0.4206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3220, 0.3183, 0.5540 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(69, 165, 39)` looks like.

```
.text, #text, p{  
    color:rgb(69, 165, 39)  
}
```

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(69, 165, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 165, 39) }
```

Border

The CSS property to change the border of an element to Yxy 28.3220, 0.3183, 0.5540 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(69, 165, 39) }
```

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

```
.border{ border-color:rgb(69, 165, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 165, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 165, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 165, 39);  
box-shadow:4px 4px 4px 4px rgb(69, 165,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3220, 0.3183, 0.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 165, 39) }
```

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

```
.background{ background-color: rgb(69, 165,  
39) }
```

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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