

Converting Colors

$Y_{xy}(21.6817, 0.3058, 0.5689)$

Have a look what the booklet for
Yxy(21.6817, 0.3058, 0.5689)
contains.

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Color

$\text{Yxy}(21.7049, 0.3055, 0.5687)$

Conversions

Conversions Part 1

Format	Color
Hex	27941E
RGB	39, 148, 30
RGB Percent	15%, 58%, 12%
CMY	0.8472, 0.4196, 0.8824
CMYK	0.74, 0.00, 0.80, 0.42
HSL	115°, 66%, 35%
HSV	115°, 80%, 58%
XYZ	11.6597, 21.7049, 4.8013
YIQ	101.9570, -27.0860, -59.8060

Conversions

Conversions Part 2

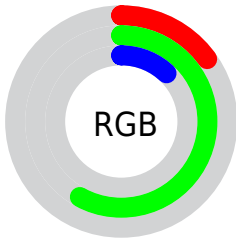
Format	Color
R_{YB}	30, 148, 139
Decimal	2593822
CIE _{Lab}	53.71, -52.05, 49.54
CIE _{LCh}	54, 71.851, 136.416
Yxy	21.7049, 0.3055, 0.5687
Android (android.graphics.Color)	4280783902 (0xFF27941E)
YUV	101.9570, -35.4748, -55.2133
Hunter-Lab	46.5885, -36.8569, 26.5017

Details

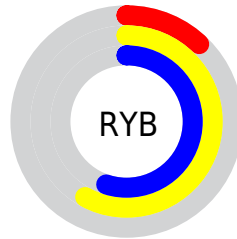
The Yxy color **21.7049, 0.3055, 0.5687** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.5560, 0.3058, 0.1590**, and the grayscale version is **13.3722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1767, 0.3145, 0.5107**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.4269, 0.3035, 0.5867**, and if you desaturate by 10%, it is **22.1164, 0.3074, 0.5435**.

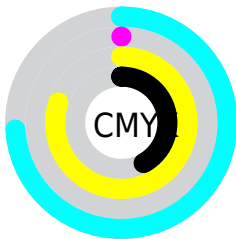
Distribution



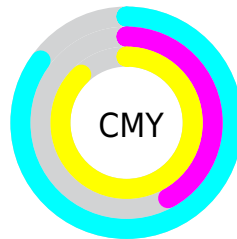
- Red (15%)
- Green (58%)
- Blue (12%)



- Red (12%)
- Yellow (58%)
- Blue (55%)



- Cyan (74%)
- Magenta (0%)
- Yellow (80%)
- Black (42%)





- Cyan (85%)
- Magenta (42%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7049, 0.3055, 0.5687 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 21.7049, 0.3055, 0.5687 by changing the saturation by 10% instead.


 21.7049, 0.3055,
0.5687


 21.7049, 0.3055,
0.5687


261.0013, 0.3193,
0.4253


 13.6402, 0.2952,
0.6117


 46.2578, 0.3146,
0.5107


 7.8709, 0.2771,
0.6717


 63.5148, 0.3166,
0.4907


 4.0124, 0.2426,
0.7574

 84.6046, 0.3178,
0.4744


 1.6805, 0.0930,
0.9070

 109.9118, 0.3186,
0.4611

 0.4110, 0.0000,
1.0000

 139.8207, 0.3190,
0.4499

 0.0000, 0.0000,
0.0000

 174.7156, 0.3192,

0.4404

214.9810, 0.3193,
0.4323

■ 21.7049, 0.3055,
0.5687

■ 21.7049, 0.3055,
0.5687

■ 21.4269, 0.3035,
0.5867

■ 22.1164, 0.3074,
0.5435

■ 21.2578, 0.3021,
0.5981

■ 22.6724, 0.3091,
0.5129

■ 21.2546, 0.3021,
0.5983

■ 23.3859, 0.3104,
0.4793

■ 24.2675, 0.3114,
0.4450

■ 25.3270, 0.3121,
0.4119

■ 26.5734, 0.3125,
0.3811

■ 28.0153, 0.3127,
0.3532

■ 29.6605, 0.3127,
0.3284

■ 31.5164, 0.3126,
0.3067

Harmonies

Analogous

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



21.7049, 0.4154, 0.5391



21.7049, 0.3055, 0.5687



21.7049, 0.2026, 0.4714

Triad

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



21.7049, 0.3055, 0.5687



21.7049, 0.1310, 0.1639



21.7049, 0.5208, 0.2949

Complementary

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



21.7049, 0.3055, 0.5687



8.5560, 0.3058, 0.1590

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.



21.7049, 0.4049, 0.2276



21.7049, 0.3055, 0.5687



21.7049, 0.1808, 0.1563

Square

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



21.7049, 0.3055, 0.5687



21.7049, 0.1164, 0.2102



21.7049, 0.2740, 0.1785



21.7049, 0.5562, 0.3703

Rectangle

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



21.7049, 0.3055, 0.5687



21.7049, 0.1535, 0.3646



21.7049, 0.2740, 0.1785



21.7049, 0.4887, 0.2712

Sweetspot

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



21.7058, 0.3055, 0.5687



45.8009, 0.3124, 0.3953



24.6157, 0.4226, 0.4825



10.2954, 0.3122, 0.4055



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.7058, 0.3055, 0.5687



37.5539, 0.3021, 0.5954



22.0240, 0.2752, 0.4832



6.4883, 0.3127, 0.3518



18.1587, 0.3023, 0.5982



0.2264, 0.3134, 0.5893

Inverse Universe

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



8.5560, 0.3058, 0.1590



13.3172, 0.3026, 0.1454



8.1213, 0.4193, 0.2282



5.8870, 0.3126, 0.3071



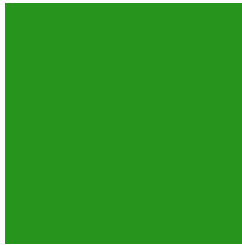
6.3547, 0.3023, 0.1439



0.0832, 0.3122, 0.1494

Previews

White Background



This preview shows how the Yxy color 21.7049, 0.3055, 0.5687 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 21.7049, 0.3055, 0.5687 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 21.7049, 0.3055, 0.5687

Background



This preview shows how black text looks on a background with the Yxy color 21.7049, 0.3055, 0.5687.



This preview shows how white text looks on a background with the Yxy color 21.7049, 0.3055, 0.5687.

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

21.7049, 0.3055, 0.5687

Protanopia

21.4378, 0.4323, 0.4778

Deuteranopia

21.2201, 0.4491, 0.4418



Tritanopia

21.6865, 0.2427, 0.3075

Trichromacy



Original Color

21.7049, 0.3055, 0.5687

Protanomaly

20.4712, 0.3750, 0.5185

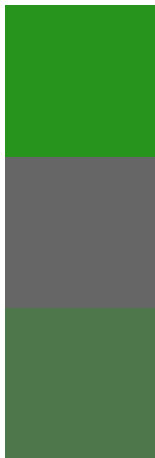
Deuteranomaly

20.0174, 0.3843, 0.4951

Tritanomaly

21.3164, 0.2687, 0.4068

Monochromacy



Original Color

21.7049, 0.3055, 0.5687

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.3777, 0.3114, 0.4305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7049, 0.3055, 0.5687 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(39, 148, 30)` looks like.

```
.text, #text, p{  
    color:rgb(39, 148, 30)  
}
```

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(39, 148, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 148, 30) }
```

Border

The CSS property to change the border of an element to Yxy 21.7049, 0.3055, 0.5687 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(39, 148, 30) }
```

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

```
.border{ border-color:rgb(39, 148, 30) }
```

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

Here you see how a box with a 4 pixel rgb(39, 148, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 148, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 148, 30);  
box-shadow:4px 4px 4px 4px rgb(39, 148,  
30) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.7049, 0.3055, 0.5687$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 148, 30) }
```

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

```
.background{ background-color: rgb(39, 148,  
30) }
```

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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