

Converting Colors

$Y_{xy}(22.5839, 0.3282, 0.5529)$

Have a look what the booklet for
Yxy(22.5839, 0.3282, 0.5529)
contains.

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Color

Yxy(22.6131, 0.3280, 0.5526)

Conversions

Conversions Part 1

Format	Color
Hex	47941E
RGB	71, 148, 30
RGB Percent	28%, 58%, 12%
CMY	0.7216, 0.4196, 0.8823
CMYK	0.52, 0.00, 0.80, 0.42
HSL	99°, 66%, 35%
HSV	99°, 80%, 58%
XYZ	13.4222, 22.6131, 4.8860
YIQ	111.5250, -8.0140, -53.0220

Conversions

Conversions Part 2

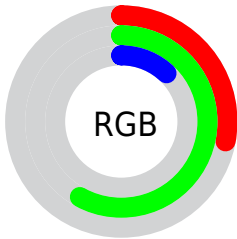
Format	Color
R _Y B	30, 148, 107
Decimal	4690974
CIE Lab	54.67, -44.24, 50.78
CIE LCh	55, 67.348, 131.068
Yxy	22.6131, 0.3280, 0.5526
Android (android.graphics.Color)	4282881054 (0xFF47941E)
YUV	111.5250, -40.1918, -35.5404
Hunter-Lab	47.5532, -32.8355, 27.1953

Details

The Yxy color **22.6131, 0.3280, 0.5526** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.1948, 0.2545, 0.1328**, and the grayscale version is **16.1783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8640, 0.3319, 0.5010**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.2188, 0.3243, 0.5708**, and if you desaturate by 10%, it is **23.1030, 0.3301, 0.5288**.

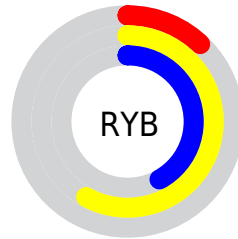
Distribution



Red (28%)

Green (58%)

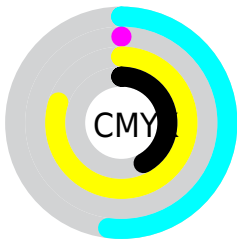
Blue (12%)



Red (12%)

Yellow (58%)

Blue (42%)

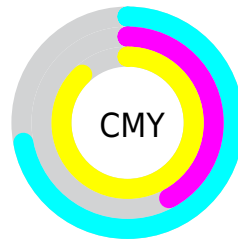


Cyan (52%)

Magenta (0%)

Yellow (80%)

Black (42%)



Cyan (72%)


Magenta (42%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6131, 0.3280, 0.5526 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 22.6131, 0.3280, 0.5526 by changing the saturation by 10% instead.


 22.6131, 0.3280,
0.5526


 22.6131, 0.3280,
0.5526


265.7315, 0.3286,
0.4214


 14.3081, 0.3219,
0.5905


 47.7573, 0.3317,
0.5005

 8.3353, 0.3095,
0.6421


 65.3652, 0.3319,
0.4822

 4.3102, 0.2843,
0.7157

 86.8429, 0.3316,
0.4673

 1.8486, 0.2005,
0.7995

 112.5747, 0.3311,
0.4549

 0.5172, 0.0000,
1.0000

 142.9451, 0.3305,
0.4445

 0.0000, 0.0000,
0.0000

 178.3384, 0.3299,

0.4357

219.1391, 0.3292,
0.4281

■ 22.6131, 0.3280,
0.5526

■ 22.6131, 0.3280,
0.5526

■ 22.2188, 0.3243,
0.5708

■ 23.1030, 0.3301,
0.5288

■ 21.9033, 0.3198,
0.5840

■ 23.6925, 0.3307,
0.5008

■ 21.8954, 0.3196,
0.5844

■ 24.3887, 0.3297,
0.4705

■ 25.1973, 0.3276,
0.4393

■ 26.1234, 0.3245,
0.4088

■ 27.1718, 0.3208,
0.3797

■ 28.3471, 0.3168,
0.3528

■ 29.6536, 0.3126,
0.3284

■ 31.0954, 0.3084,
0.3063

Harmonies

Analogous

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



22.6131, 0.4304, 0.5158



22.6131, 0.3280, 0.5526



22.6131, 0.2269, 0.4826

Triad

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



22.6131, 0.3280, 0.5526



22.6131, 0.1356, 0.1784



22.6131, 0.4907, 0.2865

Complementary

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



22.6131, 0.3280, 0.5526



6.1948, 0.2545, 0.1328

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.



22.6131, 0.3762, 0.2239



22.6131, 0.3280, 0.5526



22.6131, 0.1773, 0.1647

Square

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



22.6131, 0.3280, 0.5526



22.6131, 0.1277, 0.2321



22.6131, 0.2585, 0.1810



22.6131, 0.5409, 0.3583

Rectangle

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



22.6131, 0.3280, 0.5526



22.6131, 0.1747, 0.3888



22.6131, 0.2585, 0.1810



22.6131, 0.4571, 0.2641

Sweetspot

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



22.6141, 0.3280, 0.5526



47.0332, 0.3226, 0.3933



16.8444, 0.4643, 0.4425



10.6015, 0.3238, 0.4028



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.



22.6141, 0.3280, 0.5526



38.7427, 0.3203, 0.5811



21.6683, 0.2939, 0.5464



6.5605, 0.3166, 0.3515



18.7150, 0.3201, 0.5841



0.2443, 0.3537, 0.5573

Inverse Universe

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



6.1948, 0.2545, 0.1328



8.4883, 0.2384, 0.1103



8.8453, 0.3512, 0.1857



5.8094, 0.3085, 0.3068



3.9939, 0.2370, 0.1079



0.0653, 0.2769, 0.1299

Previews

White Background



This preview shows how the Yxy color 22.6131, 0.3280, 0.5526 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 22.6131, 0.3280, 0.5526 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 22.6131, 0.3280, 0.5526

Background



This preview shows how black text looks on a background with the Yxy color 22.6131, 0.3280, 0.5526.



This preview shows how white text looks on a background with the Yxy color 22.6131, 0.3280, 0.5526.

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

22.6131, 0.3280, 0.5526

Protanopia

22.1464, 0.4322, 0.4783

Deuteranopia

22.3690, 0.4509, 0.4438



Tritanopia

22.5710, 0.2572, 0.3084

Trichromacy



Original Color

22.6131, 0.3280, 0.5526

Protanomaly

21.8924, 0.3894, 0.5088

Deuteranomaly

21.6608, 0.4017, 0.4849

Tritanomaly

22.2714, 0.2881, 0.4028

Monochromacy



Original Color

22.6131, 0.3280, 0.5526

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.8178, 0.3259, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6131, 0.3280, 0.5526 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(71, 148, 30)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 148, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 148, 30) }
```

Border

The CSS property to change the border of an element to Yxy 22.6131, 0.3280, 0.5526 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(71, 148, 30) }
```

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

```
.border{ border-color:rgb(71, 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(71, 148, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 148, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 148, 30);  
box-shadow:4px 4px 4px 4px rgb(71, 148,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6131, 0.3280, 0.5526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 148, 30) }
```

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

```
.background{ background-color: rgb(71, 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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