

Converting Colors

$Y_{xy}(17.6716, 0.3236, 0.5505)$

Have a look what the booklet for
Yxy(17.6716, 0.3236, 0.5505)
contains.

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Color

Yxy(17.5519, 0.3241, 0.5503)

Conversions

Conversions Part 1

Format	Color
Hex	3C841D
RGB	60, 132, 29
RGB Percent	24%, 52%, 11%
CMY	0.7647, 0.4823, 0.8862
CMYK	0.55, 0.00, 0.78, 0.48
HSL	102°, 64%, 32%
HSV	102°, 78%, 52%
XYZ	10.3372, 17.5519, 4.0060
YIQ	98.7300, -9.8490, -47.2970

Conversions

Conversions Part 2

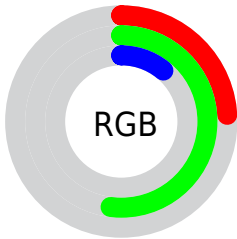
Format	Color
R_{YB}	29, 132, 101
Decimal	3965981
CIE Lab	48.95, -41.28, 45.46
CIE LCh	49, 61.407, 132.242
Yxy	17.5519, 0.3241, 0.5503
Android (android.graphics.Color)	4282156061 (0xFF3C841D)
YUV	98.7300, -34.3769, -33.9662
Hunter-Lab	41.8950, -29.2729, 23.6571

Details

The Yxy color **17.5519, 0.3241, 0.5503** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.3121, 0.2651, 0.1412**, and the grayscale version is **12.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3567, 0.3286, 0.4952**, and **5.8849, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.2379, 0.3208, 0.5701**, and if you desaturate by 10%, it is **17.9455, 0.3261, 0.5251**.

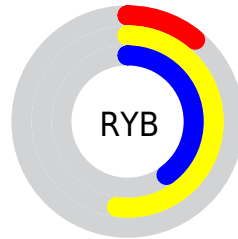
Distribution



Red (24%)

Green (52%)

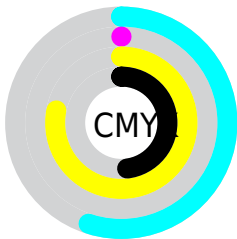
Blue (11%)



Red (11%)

Yellow (52%)

Blue (40%)

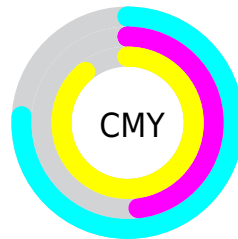


Cyan (55%)

Magenta (0%)

Yellow (78%)

Black (48%)



Cyan (76%)


Magenta (48%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5519, 0.3241, 0.5503 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 17.5519, 0.3241, 0.5503 by changing the saturation by 10% instead.


 17.5519, 0.3241,
0.5503


 17.5519, 0.3241,
0.5503


238.3331, 0.3261,
0.4154


 10.6288, 0.3169,
0.5923


 39.2723, 0.3285,
0.4948


 5.8178, 0.3054,
0.6593


 54.8383, 0.3288,
0.4759


 2.7346, 0.2667,
0.7333

 74.0541, 0.3286,
0.4608

 0.9948, 0.0000,
1.0000


 97.3040, 0.3283,
0.4483


 0.0000, 0.0000,
0.0000


 124.9725, 0.3277,
0.4380


 157.4439, 0.3272,

0.4293


 195.1026, 0.3266,
0.4219


 17.5519, 0.3241,
0.5503


 17.5519, 0.3241,
0.5503


 17.2379, 0.3208,
0.5701


 17.9455, 0.3261,
0.5251


 16.9915, 0.3166,
0.5846

 18.4221, 0.3267,
0.4961

 16.9486, 0.3159,
0.5874

 18.9875, 0.3260,
0.4651

 19.6462, 0.3243,
0.4337

 20.4025, 0.3218,
0.4033

■ 21.2603, 0.3188,
0.3747

■ 22.2234, 0.3155,
0.3483

■ 23.2954, 0.3120,
0.3245

■ 24.4795, 0.3086,
0.3032

Harmonies

Analogous

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



17.5519, 0.4263, 0.5174



17.5519, 0.3241, 0.5503



17.5519, 0.2242, 0.4763

Triad

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



17.5519, 0.3241, 0.5503



17.5519, 0.1376, 0.1782



17.5519, 0.4929, 0.2896

Complementary

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



17.5519, 0.3241, 0.5503



5.3121, 0.2651, 0.1412

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.



17.5519, 0.3807, 0.2267



17.5519, 0.3241, 0.5503



17.5519, 0.1805, 0.1657

Square

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



17.5519, 0.3241, 0.5503



17.5519, 0.1284, 0.2299



17.5519, 0.2629, 0.1831



17.5519, 0.5395, 0.3614

Rectangle

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



17.5519, 0.3241, 0.5503



17.5519, 0.1732, 0.3827



17.5519, 0.2629, 0.1831



17.5519, 0.4602, 0.2672

Sweetspot

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



17.5526, 0.3241, 0.5503



36.5968, 0.3205, 0.3901



13.9918, 0.4542, 0.4464



8.4125, 0.3214, 0.3993



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.5526, 0.3241, 0.5503



30.0091, 0.3172, 0.5815



16.9767, 0.2918, 0.5332



5.2677, 0.3158, 0.3511



16.4128, 0.3160, 0.5873



0.0603, 0.3476, 0.5622

Inverse Universe

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



5.3121, 0.2651, 0.1412



7.3319, 0.2510, 0.1184



6.9800, 0.3571, 0.1926



4.6944, 0.3093, 0.3073



3.8323, 0.2481, 0.1140



0.0171, 0.2835, 0.1335

Previews

White Background



This preview shows how the Yxy color 17.5519, 0.3241, 0.5503 looks on a white 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

Black Background



This preview shows how the Yxy color 17.5519, 0.3241, 0.5503 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 17.5519, 0.3241, 0.5503

Background



This preview shows how black text looks on a background with the Yxy color 17.5519, 0.3241, 0.5503.



This preview shows how white text looks on a background with the Yxy color 17.5519, 0.3241, 0.5503.

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

17.5519, 0.3241, 0.5503

Protanopia

17.3068, 0.4297, 0.4759

Deuteranopia

17.3181, 0.4487, 0.4410



Tritanopia

17.5216, 0.2557, 0.3081

Trichromacy



Original Color

17.5519, 0.3241, 0.5503

Protanomaly

16.9969, 0.3867, 0.5067

Deuteranomaly

16.6556, 0.3982, 0.4834

Tritanomaly

17.1256, 0.2849, 0.4000

Monochromacy



Original Color

17.5519, 0.3241, 0.5503

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.7946, 0.3228, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5519, 0.3241, 0.5503 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(60, 132, 29)` looks like.

```
.text, #text, p{  
    color:rgb(60, 132, 29)  
}
```

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(60, 132, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 132, 29) }
```

Border

The CSS property to change the border of an element to Yxy 17.5519, 0.3241, 0.5503 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(60, 132, 29) }
```

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

```
.border{ border-color:rgb(60, 132, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 132, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 132, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 132, 29);  
box-shadow:4px 4px 4px 4px rgb(60, 132,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5519, 0.3241, 0.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 132, 29) }
```

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

```
.background{ background-color: rgb(60, 132,  
29) }
```

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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