

Converting Colors

$Y_{xy}(15.4781, 0.3391, 0.5301)$

Have a look what the booklet for
Yxy(15.4781, 0.3391, 0.5301)
contains.

Yxy(15.3629, 0.3386, 0.5298)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3629, 0.3386, 0.5298)

Conversions

Conversions Part 1

Format	Color
Hex	477A20
RGB	71, 122, 32
RGB Percent	28%, 48%, 13%
CMY	0.7216, 0.5216, 0.8744
CMYK	0.42, 0.00, 0.74, 0.52
HSL	94°, 58%, 30%
HSV	94°, 74%, 48%
XYZ	9.8186, 15.3629, 3.8161
YIQ	96.4910, -1.5060, -38.8020

Conversions

Conversions Part 2

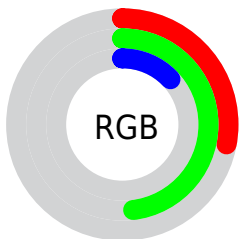
Format	Color
R_{YB}	32, 122, 83
Decimal	4684320
CIE _{Lab}	46.13, -33.18, 41.67
CIE _{LCh}	46, 53.265, 128.535
Yxy	15.3629, 0.3386, 0.5298
Android (android.graphics.Color)	4282874400 (0xFF477A20)
YUV	96.4910, -31.7941, -22.3556
Hunter-Lab	39.1955, -23.8775, 21.6644

Details


The Yxy color **15.3629, 0.3386, 0.5298** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.2805, 0.2474, 0.1393**, and the grayscale version is **11.9028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5542, 0.3390, 0.4789**, and **4.8843, 0.3148, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **15.0622, 0.3366, 0.5509**, and if you desaturate by 10%, it is **15.7193, 0.3387, 0.5045**.

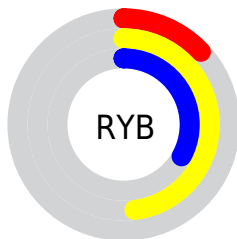
Distribution



 Red (28%)

 Green (48%)

 Blue (13%)




 Red (13%)

 Yellow (48%)

 Blue (33%)

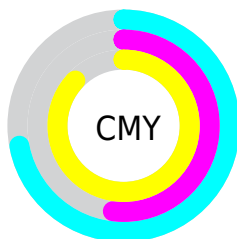


 Cyan (42%)


 Magenta (0%)

 Yellow (74%)

 Black (52%)



 Cyan (72%)


 Magenta (52%)

 Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3629, 0.3386, 0.5298 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 15.3629, 0.3386, 0.5298 by changing the saturation by 10% instead.


 15.3629, 0.3386,
0.5298

 15.3629, 0.3386,
0.5298


225.5524, 0.3304,
0.4063


 9.0745, 0.3350,
0.5693


 35.4886, 0.3385,
0.4784


 4.7898, 0.3308,
0.6377

 50.0946, 0.3373,
0.4611


 2.1245, 0.2947,
0.7053

 68.2419, 0.3361,
0.4473

 0.6783, 0.0000,
1.0000


 90.3150, 0.3348,
0.4360


 0.0000, 0.0000,
0.0000


 116.6982, 0.3336,
0.4267


 147.7759, 0.3324,


0.4188


 183.9325, 0.3314,
0.4121


 15.3629, 0.3386,
0.5298

 15.3629, 0.3386,
0.5298


 15.0622, 0.3366,
0.5509


 15.7193, 0.3387,
0.5045

 14.8111, 0.3329,
0.5669

 16.1327, 0.3372,
0.4765

 14.6722, 0.3304,
0.5758

 16.6070, 0.3342,
0.4472

 17.1449, 0.3301,
0.4178

 17.7490, 0.3253,
0.3893

■ 18.4217, 0.3201,
0.3625

■ 19.1654, 0.3147,
0.3377

■ 19.9822, 0.3094,
0.3151

■ 20.8742, 0.3041,
0.2947

Harmonies

Analogous

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



15.3629, 0.4319, 0.4971



15.3629, 0.3386, 0.5298



15.3629, 0.2437, 0.4739

Triad

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



15.3629, 0.3386, 0.5298



15.3629, 0.1467, 0.1936



15.3629, 0.4662, 0.2862

Complementary

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



15.3629, 0.3386, 0.5298



4.2805, 0.2474, 0.1393

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.



15.3629, 0.3612, 0.2283



15.3629, 0.3386, 0.5298



15.3629, 0.1835, 0.1769

Square

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



15.3629, 0.3386, 0.5298



15.3629, 0.1424, 0.2488



15.3629, 0.2562, 0.1899



15.3629, 0.5192, 0.3540

Rectangle

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



15.3629, 0.3386, 0.5298



15.3629, 0.1927, 0.3942



15.3629, 0.2562, 0.1899



15.3629, 0.4346, 0.2654

Sweetspot

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



15.3636, 0.3386, 0.5298



31.3617, 0.3247, 0.3860



10.4309, 0.4628, 0.4241



7.1171, 0.3258, 0.3918



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.3636, 0.3386, 0.5298



26.2066, 0.3344, 0.5616



14.3675, 0.2987, 0.5429



4.5270, 0.3176, 0.3507



15.4419, 0.3303, 0.5760



73.1756, 0.3267, 0.5788

Inverse Universe

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



4.2805, 0.2474, 0.1393



5.5252, 0.2295, 0.1109



6.4334, 0.3315, 0.1824



3.9952, 0.3074, 0.3075



2.8129, 0.2190, 0.0980



12.9077, 0.2142, 0.0954

Previews

White Background



This preview shows how the Yxy color 15.3629, 0.3386, 0.5298 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 15.3629, 0.3386, 0.5298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

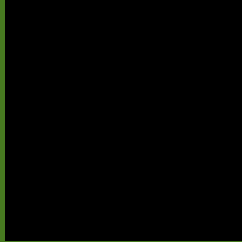
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3629, 0.3386, 0.5298

Background



This preview shows how black text looks on a background with the Yxy color 15.3629, 0.3386, 0.5298.



This preview shows how white text looks on a background with the Yxy color 15.3629, 0.3386, 0.5298.

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

15.3629, 0.3386, 0.5298

Protanopia

15.1636, 0.4254, 0.4702

Deuteranopia

15.0812, 0.4459, 0.4375



Tritanopia

15.3960, 0.2682, 0.3095

Trichromacy



Original Color

15.3629, 0.3386, 0.5298

Protanomaly

15.0119, 0.3902, 0.4945

Deuteranomaly

14.7240, 0.4038, 0.4727

Tritanomaly

15.1662, 0.2977, 0.3921

Monochromacy



Original Color

15.3629, 0.3386, 0.5298

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.6104, 0.3286, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3629, 0.3386, 0.5298 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, 122, 32)` looks like.

```
.text, #text, p{  
    color:rgb(71, 122, 32)  
}
```

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, 122, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 122, 32) }
```

Border

The CSS property to change the border of an element to Yxy 15.3629, 0.3386, 0.5298 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, 122, 32) }
```

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

```
.border{ border-color:rgb(71, 122, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 122, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 122, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 122, 32);  
box-shadow:4px 4px 4px 4px rgb(71, 122,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3629, 0.3386, 0.5298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 122, 32) }
```

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

```
.background{ background-color: rgb(71, 122,  
32) }
```

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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