

Converting Colors

$Y_{xy}(16.3578, 0.3620, 0.4913)$

Have a look what the booklet for
Yxy(16.3578, 0.3620, 0.4913)
contains.

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Color

Yxy(16.2895, 0.3618, 0.4907)

Conversions

Conversions Part 1

Format	Color
Hex	5F792C
RGB	95, 121, 44
RGB Percent	37%, 47%, 17%
CMY	0.6275, 0.5255, 0.8273
CMYK	0.22, 0.00, 0.64, 0.53
HSL	80°, 47%, 32%
HSV	80°, 64%, 47%
XYZ	12.0105, 16.2895, 4.8965
YIQ	104.4480, 9.2210, -29.4590

Conversions

Conversions Part 2

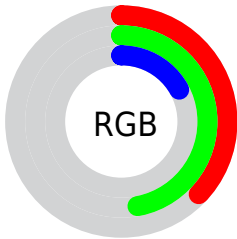
Format	Color
RYB	44, 121, 70
Decimal	6256940
CIELab	47.35, -22.16, 38.11
CIELCh	47, 44.082, 120.184
Yxy	16.2895, 0.3618, 0.4907
Android (android.graphics.Color)	4284447020 (0xFF5F792C)
YUV	104.4480, -29.8009, -8.2859
Hunter-Lab	40.3603, -17.5121, 21.0592

Details

The Yxy color **16.2895, 0.3618, 0.4907** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.4879, 0.2297, 0.1498**, and the grayscale version is **14.0500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8805, 0.3540, 0.4510**, and **5.1926, 0.3611, 0.5515** is the 20% darker color. If you saturate the color by 10%, you get **15.9988, 0.3649, 0.5120**, and if you desaturate by 10%, it is **16.6197, 0.3567, 0.4665**.

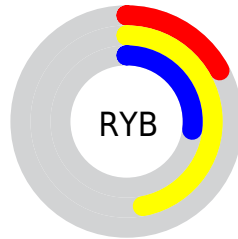
Distribution



Red (37%)

Green (47%)

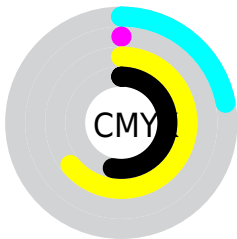
Blue (17%)



Red (17%)

Yellow (47%)

Blue (27%)

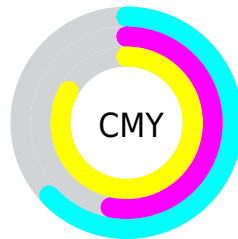


Cyan (22%)

Magenta (0%)

Yellow (64%)

Black (53%)



Cyan (63%)


Magenta (53%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2895, 0.3618, 0.4907 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 16.2895, 0.3618, 0.4907 by changing the saturation by 10% instead.


 16.2895, 0.3618,
0.4907


 16.2895, 0.3618,
0.4907


 231.0440, 0.3377,
0.3936

 9.7292, 0.3652,
0.5208


 37.1001, 0.3541,
0.4510


 5.2198, 0.3673,
0.5643

 52.1192, 0.3508,
0.4374


 2.3768, 0.3651,
0.6349

 70.7267, 0.3478,
0.4265

 0.8139, 0.2222,
0.7778

 93.3070, 0.3453,
0.4175

 0.0000, 0.0000,
0.0000

 120.2444, 0.3430,
0.4101

 151.9235, 0.3410,

0.4037

188.7286, 0.3393,
0.3983

■ 16.2895, 0.3618,
0.4907

■ 16.2895, 0.3618,
0.4907

■ 15.9988, 0.3649,
0.5120

■ 16.6197, 0.3567,
0.4665

■ 15.7428, 0.3657,
0.5294

■ 16.9896, 0.3501,
0.4406

■ 15.5190, 0.3643,
0.5424

■ 17.4018, 0.3423,
0.4139

■ 15.3860, 0.3630,
0.5500

■ 17.8583, 0.3337,
0.3873

■ 18.3609, 0.3249,
0.3617

■ 18.9111, 0.3159,
0.3374

■ 19.5106, 0.3072,
0.3147

■ 20.1607, 0.2987,
0.2939

■ 20.8630, 0.2907,
0.2749

Harmonies

Analogous

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



16.2895, 0.4353, 0.4587



16.2895, 0.3618, 0.4907



16.2895, 0.2798, 0.4629

Triad

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



16.2895, 0.3618, 0.4907



16.2895, 0.1673, 0.2263



16.2895, 0.4167, 0.2798

Complementary

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



16.2895, 0.3618, 0.4907



4.4879, 0.2297, 0.1498

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.



16.2895, 0.3281, 0.2329



16.2895, 0.3618, 0.4907



16.2895, 0.1918, 0.2015

Square

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



16.2895, 0.3618, 0.4907



16.2895, 0.1730, 0.2857



16.2895, 0.2465, 0.2052



16.2895, 0.4755, 0.3381

Rectangle

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



16.2895, 0.3618, 0.4907



16.2895, 0.2312, 0.4091



16.2895, 0.2465, 0.2052



16.2895, 0.3885, 0.2625

Sweetspot

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



16.2902, 0.3618, 0.4907



32.3388, 0.3301, 0.3766



8.5886, 0.4653, 0.3802



7.3474, 0.3321, 0.3826



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.



16.2902, 0.3618, 0.4907



28.4429, 0.3655, 0.5200



14.7238, 0.3154, 0.5175



4.5693, 0.3208, 0.3505



16.4805, 0.3628, 0.5501



78.1316, 0.3600, 0.5524

Inverse Universe

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



4.4879, 0.2297, 0.1498



5.4982, 0.2075, 0.1134



6.3832, 0.2957, 0.1788



3.9533, 0.3042, 0.3072



1.9767, 0.1782, 0.0756



9.0039, 0.1734, 0.0729

Previews

White Background



This preview shows how the Yxy color 16.2895, 0.3618, 0.4907 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 16.2895, 0.3618, 0.4907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

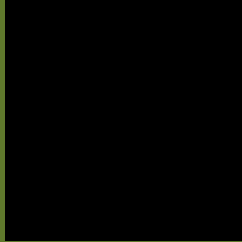
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2895, 0.3618, 0.4907

Background



This preview shows how black text looks on a background with the Yxy color 16.2895, 0.3618, 0.4907.



This preview shows how white text looks on a background with the Yxy color 16.2895, 0.3618, 0.4907.

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

16.2895, 0.3618, 0.4907

Protanopia

16.1155, 0.4154, 0.4564

Deuteranopia

16.2261, 0.4348, 0.4286



Tritanopia

16.1585, 0.2908, 0.3106

Trichromacy



Original Color

16.2895, 0.3618, 0.4907

Protanomaly

16.0133, 0.3951, 0.4684

Deuteranomaly

16.0045, 0.4078, 0.4509

Tritanomaly

16.0656, 0.3195, 0.3765

Monochromacy



Original Color

16.2895, 0.3618, 0.4907

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5278, 0.3358, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2895, 0.3618, 0.4907 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(95, 121, 44)` looks like.

```
.text, #text, p{  
    color:rgb(95, 121, 44)  
}
```

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(95, 121, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 121, 44) }
```

Border

The CSS property to change the border of an element to Yxy 16.2895, 0.3618, 0.4907 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(95, 121, 44) }
```

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

```
.border{ border-color:rgb(95, 121, 44) }
```

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

Here you see how a box with a 4 pixel rgb(95, 121, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 121, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 121, 44);  
box-shadow:4px 4px 4px 4px rgb(95, 121,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2895, 0.3618, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 121, 44) }
```

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

```
.background{ background-color: rgb(95, 121,  
44) }
```

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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