

Converting Colors

$Yxy(16.7945, 0.3557, 0.4737)$

Have a look what the booklet for
Yxy(16.7945, 0.3557, 0.4737)
contains.

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Color

Yxy(16.7268, 0.3553, 0.4733)

Conversions

Conversions Part 1

Format	Color
Hex	617A36
RGB	97, 122, 54
RGB Percent	38%, 48%, 21%
CMY	0.6195, 0.5216, 0.7882
CMYK	0.20, 0.00, 0.56, 0.52
HSL	82°, 39%, 35%
HSV	82°, 56%, 48%
XYZ	12.5566, 16.7268, 6.0574
YIQ	106.7730, 6.9280, -26.4480

Conversions

Conversions Part 2

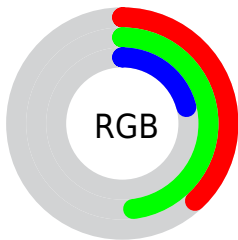
Format	Color
RYB	54, 122, 79
Decimal	6388278
CIELab	47.91, -20.84, 33.85
CIELCh	48, 39.748, 121.620
Yxy	16.7268, 0.3553, 0.4733
Android (android.graphics.Color)	4284578358 (0xFF617A36)
YUV	106.7730, -26.0171, -8.5709
Hunter-Lab	40.8984, -16.7693, 19.8475

Details

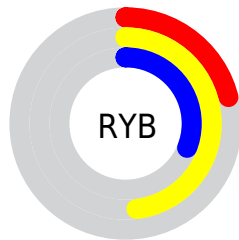
The Yxy color **16.7268, 0.3553, 0.4733** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7059, 0.2452, 0.1737**, and the grayscale version is **14.7101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0288, 0.3477, 0.4382**, and **5.4044, 0.3618, 0.5389** is the 20% darker color. If you saturate the color by 10%, you get **16.3875, 0.3595, 0.4975**, and if you desaturate by 10%, it is **17.1102, 0.3494, 0.4471**.

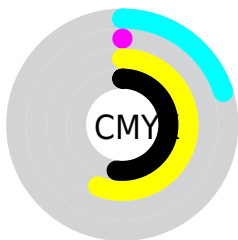
Distribution



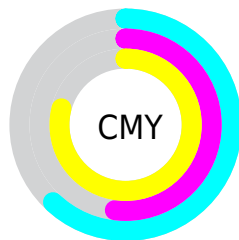
- Red (38%)
- Green (48%)
- Blue (21%)



- Red (21%)
- Yellow (48%)
- Blue (31%)



- Cyan (20%)
- Magenta (0%)
- Yellow (56%)
- Black (52%)



- Cyan (62%)
- Magenta (52%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7268, 0.3553, 0.4733 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 16.7268, 0.3553, 0.4733 by changing the saturation by 10% instead.

16.7268, 0.3553,
0.4733

16.7268, 0.3553,
0.4733

233.5931, 0.3339,
0.3866

10.0399, 0.3591,
0.5008

37.8555, 0.3481,
0.4376

5.4254, 0.3613,
0.5394

53.0660, 0.3452,
0.4255

2.4990, 0.3747,
0.6253

71.8865, 0.3426,
0.4158

0.8761, 0.2700,
0.7300

94.7015, 0.3404,
0.4079

0.0000, 0.0000,
0.0000

121.8952, 0.3384,
0.4012

153.8521, 0.3367,

0.3956

190.9566, 0.3352,
0.3908

■ 16.7268, 0.3553,
0.4733

■ 16.7268, 0.3553,
0.4733

■ 16.3875, 0.3595,
0.4975

■ 17.1102, 0.3494,
0.4471

■ 16.0878, 0.3616,
0.5186

■ 17.5378, 0.3423,
0.4201

■ 15.8256, 0.3615,
0.5356

■ 18.0123, 0.3344,
0.3932

■ 15.5962, 0.3594,
0.5484

■ 18.5355, 0.3260,
0.3671

■ 15.5038, 0.3583,
0.5537

■ 19.1092, 0.3175,
0.3424

■ 19.7351, 0.3092,
0.3194

■ 20.4147, 0.3011,
0.2982

■ 21.1495, 0.2933,
0.2789

■ 21.9410, 0.2861,
0.2613

Harmonies

Analogous

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



16.7268, 0.4222, 0.4497



16.7268, 0.3553, 0.4733



16.7268, 0.2809, 0.4441

Triad

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



16.7268, 0.3553, 0.4733



16.7268, 0.1804, 0.2349



16.7268, 0.4092, 0.2874

Complementary

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



16.7268, 0.3553, 0.4733



5.7059, 0.2452, 0.1737

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.



16.7268, 0.3309, 0.2433



16.7268, 0.3553, 0.4733



16.7268, 0.2045, 0.2126

Square

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



16.7268, 0.3553, 0.4733



16.7268, 0.1847, 0.2880



16.7268, 0.2563, 0.2167



16.7268, 0.4599, 0.3417

Rectangle

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



16.7268, 0.3553, 0.4733



16.7268, 0.2372, 0.3961



16.7268, 0.2563, 0.2167



16.7268, 0.3846, 0.2711

Sweetspot

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



16.7275, 0.3553, 0.4733



32.4495, 0.3275, 0.3714



9.9868, 0.4369, 0.3800



7.3867, 0.3288, 0.3754



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.



16.7275, 0.3553, 0.4733



28.6720, 0.3603, 0.5039



15.2444, 0.3138, 0.4942



4.5638, 0.3204, 0.3505



16.3186, 0.3582, 0.5538



77.3458, 0.3552, 0.5562

Inverse Universe

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



5.7059, 0.2452, 0.1737



7.1724, 0.2255, 0.1377



7.5504, 0.3026, 0.1964



3.9586, 0.3046, 0.3073



2.0581, 0.1826, 0.0779



9.3713, 0.1776, 0.0752

Previews

White Background



This preview shows how the Yxy color 16.7268, 0.3553, 0.4733 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 16.7268, 0.3553, 0.4733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

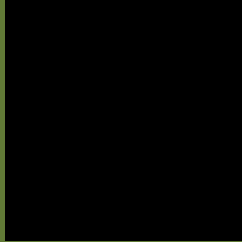
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7268, 0.3553, 0.4733

Background



This preview shows how black text looks on a background with the Yxy color 16.7268, 0.3553, 0.4733.



This preview shows how white text looks on a background with the Yxy color 16.7268, 0.3553, 0.4733.

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

16.7268, 0.3553, 0.4733

Protanopia

16.7093, 0.4060, 0.4458

Deuteranopia

16.5196, 0.4236, 0.4172



Tritanopia

16.7809, 0.2911, 0.3109

Trichromacy



Original Color

16.7268, 0.3553, 0.4733

Protanomaly

16.6154, 0.3862, 0.4567

Deuteranomaly

16.3907, 0.3978, 0.4360

Tritanomaly

16.7413, 0.3159, 0.3692

Monochromacy



Original Color

16.7268, 0.3553, 0.4733

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.1765, 0.3304, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7268, 0.3553, 0.4733 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(97, 122, 54)` looks like.

```
.text, #text, p{  
    color:rgb(97, 122, 54)  
}
```

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(97, 122, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 122, 54) }
```

Border

The CSS property to change the border of an element to Yxy 16.7268, 0.3553, 0.4733 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(97, 122, 54) }
```

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

```
.border{ border-color:rgb(97, 122, 54) }
```

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

Here you see how a box with a 4 pixel rgb(97, 122, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 122, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 122, 54);  
box-shadow:4px 4px 4px 4px rgb(97, 122,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7268, 0.3553, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 122, 54) }
```

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

```
.background{ background-color: rgb(97, 122,  
54) }
```

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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