

Converting Colors

$Y_{xy}(15.7655, 0.3988, 0.4713)$

Have a look what the booklet for
Yxy(15.7655, 0.3988, 0.4713)
contains.

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Color

Yxy(15.7652, 0.3988, 0.4713)

Conversions

Conversions Part 1

Format	Color
Hex	727228
RGB	114, 114, 40
RGB Percent	45%, 45%, 16%
CMY	0.5529, 0.5529, 0.8432
CMYK	0.00, 0.00, 0.65, 0.55
HSL	60°, 48%, 30%
HSV	60°, 65%, 45%
XYZ	13.3400, 15.7652, 4.3452
YIQ	105.5640, 23.7540, -23.0140

Conversions

Conversions Part 2

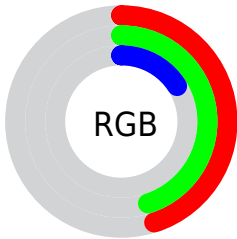
Format	Color
RYB	40, 114, 40
Decimal	7500328
CIELab	46.66, -10.27, 39.70
CIELCh	47, 41.003, 104.499
Yxy	15.7652, 0.3988, 0.4713
Android (android.graphics.Color)	4285690408 (0xFF727228)
YUV	105.5640, -32.3231, 7.3984
Hunter-Lab	39.7054, -9.5129, 21.3053

Details

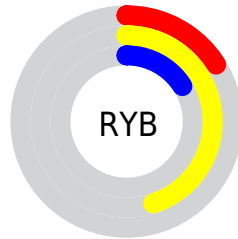
The Yxy color **15.7652, 0.3988, 0.4713** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1821, 0.1934, 0.1318**, and the grayscale version is **14.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3185, 0.3819, 0.4391**, and **4.9532, 0.4123, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **15.6994, 0.4073, 0.4854**, and if you desaturate by 10%, it is **15.8554, 0.3882, 0.4538**.

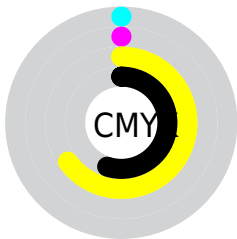
Distribution



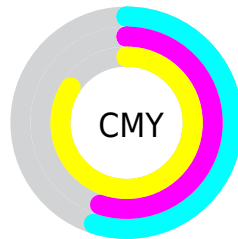
- Red (45%)
- Green (45%)
- Blue (16%)



- Red (16%)
- Yellow (45%)
- Blue (16%)



- Cyan (0%)
- Magenta (0%)
- Yellow (65%)
- Black (55%)





- Cyan (55%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7652, 0.3988, 0.4713 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 15.7652, 0.3988, 0.4713 by changing the saturation by 10% instead.

 15.7652, 0.3988,
0.4713


 15.7652, 0.3988,
0.4713


 227.9522, 0.3523,
0.3886

 9.3582, 0.4093,
0.4947


 36.1901, 0.3819,
0.4387


 4.9755, 0.4237,
0.5296

 50.9767, 0.3755,
0.4271


 2.2329, 0.4310,
0.5690

 69.3254, 0.3700,
0.4177

 0.7378, 0.3792,
0.6208

 91.6204, 0.3654,
0.4099

 0.0000, 0.0000,
0.0000

 118.2462, 0.3614,
0.4033

 149.5872, 0.3580,

0.3976

186.0277, 0.3550,
0.3928

■ 15.7652, 0.3988,
0.4713

■ 15.7652, 0.3988,
0.4713

■ 15.6994, 0.4073,
0.4854

■ 15.8554, 0.3882,
0.4538

■ 15.6536, 0.4135,
0.4956

■ 15.9696, 0.3759,
0.4335

■ 15.6251, 0.4175,
0.5022

■ 16.1102, 0.3624,
0.4112

■ 15.6123, 0.4193,
0.5052

■ 16.2787, 0.3482,
0.3877

■ 16.4764, 0.3338,
0.3639

■ 16.7047, 0.3196,
0.3403

■ 16.9648, 0.3058,
0.3176

■ 17.2578, 0.2928,
0.2960

■ 17.5849, 0.2806,
0.2759

Harmonies

Analogous

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



15.7652, 0.4559, 0.4258



15.7652, 0.3988, 0.4713



15.7652, 0.3229, 0.4761

Triad

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



15.7652, 0.3988, 0.4713



15.7652, 0.1736, 0.2575



15.7652, 0.3683, 0.2573

Complementary

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



15.7652, 0.3988, 0.4713



3.1821, 0.1934, 0.1318

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.



15.7652, 0.2847, 0.2212



15.7652, 0.3988, 0.4713



15.7652, 0.1820, 0.2168

Square

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



15.7652, 0.3988, 0.4713



15.7652, 0.1954, 0.3312



15.7652, 0.2193, 0.2063



15.7652, 0.4425, 0.3085

Rectangle

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



15.7652, 0.3988, 0.4713



15.7652, 0.2717, 0.4448



15.7652, 0.2193, 0.2063



15.7652, 0.3398, 0.2432

Sweetspot

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



15.7659, 0.3988, 0.4713



28.7857, 0.3404, 0.3747



5.2555, 0.5044, 0.3272



6.6394, 0.3436, 0.3800



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



15.7659, 0.3988, 0.4713



27.5400, 0.4107, 0.4911



13.8184, 0.3471, 0.5016



3.9162, 0.3253, 0.3498



17.3775, 0.4193, 0.5052



86.5644, 0.4193, 0.5052

Inverse Universe

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



3.1821, 0.1934, 0.1318



3.5133, 0.1692, 0.0917



4.2578, 0.2466, 0.1554



3.3005, 0.2996, 0.3073



1.3526, 0.1500, 0.0600



6.7374, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 15.7652, 0.3988, 0.4713 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 15.7652, 0.3988, 0.4713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

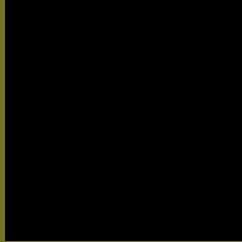
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7652, 0.3988, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 15.7652, 0.3988, 0.4713.



This preview shows how white text looks on a background with the Yxy color 15.7652, 0.3988, 0.4713.

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

15.7652, 0.3988, 0.4713

Protanopia

15.8004, 0.4178, 0.4596

Deuteranopia

15.6808, 0.4421, 0.4341



Tritanopia

15.8181, 0.3217, 0.3134

Trichromacy



Original Color

15.7652, 0.3988, 0.4713

Protanomaly

15.7279, 0.4107, 0.4645

Deuteranomaly

15.5594, 0.4262, 0.4470

Tritanomaly

15.7080, 0.3526, 0.3740

Monochromacy



Original Color

15.7652, 0.3988, 0.4713

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7977, 0.3478, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7652, 0.3988, 0.4713 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(114, 114, 40)` looks like.

```
.text, #text, p{  
    color:rgb(114, 114, 40)  
}
```

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(114, 114, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 114, 40) }
```

Border

The CSS property to change the border of an element to Yxy 15.7652, 0.3988, 0.4713 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(114, 114, 40) }
```

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

```
.border{ border-color:rgb(114, 114, 40) }
```

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

Here you see how a box with a 4 pixel rgb(114, 114, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 114, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 114, 40);  
box-shadow:4px 4px 4px 4px rgb(114, 114,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7652, 0.3988, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 114, 40) }
```

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

```
.background{ background-color: rgb(114,  
114, 40) }
```

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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