

Converting Colors

$Y_{xy}(17.7656, 0.4160, 0.4997)$

Have a look what the booklet for
Yxy(17.7656, 0.4160, 0.4997)
contains.

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Color

Yxy(17.7662, 0.4160, 0.4997)

Conversions

Conversions Part 1

Format	Color
Hex	79790C
RGB	121, 121, 12
RGB Percent	47%, 47%, 5%
CMY	0.5254, 0.5255, 0.9530
CMYK	0.00, 0.00, 0.90, 0.53
HSL	60°, 82%, 26%
HSV	60°, 90%, 47%
XYZ	14.7904, 17.7662, 2.9972
YIQ	108.5740, 34.9890, -33.8990

Conversions

Conversions Part 2

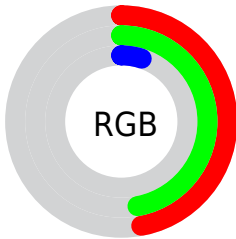
Format	Color
R_{YB}	12, 121, 12
Decimal	7960844
CIE Lab	49.21, -12.15, 52.05
CIE LCh	49, 53.444, 103.137
Yxy	17.7662, 0.4160, 0.4997
Android (android.graphics.Color)	4286150924 (0xFF79790C)
YUV	108.5740, -47.6110, 10.8976
Hunter-Lab	42.1500, -11.1271, 25.2890

Details

The Yxy color **17.7662, 0.4160, 0.4997** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7222, 0.1577, 0.0727**, and the grayscale version is **15.2966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5594, 0.3987, 0.4646**, and **6.0303, 0.4107, 0.5121** is the 20% darker color. If you saturate the color by 10%, you get **17.7401, 0.4193, 0.5052**, and if you desaturate by 10%, it is **17.8073, 0.4111, 0.4916**.

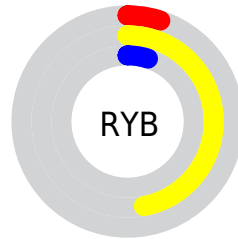
Distribution



Red (47%)

Green (47%)

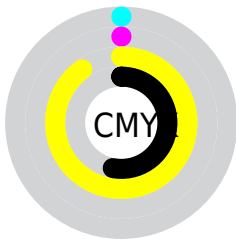
Blue (5%)



Red (5%)

Yellow (47%)

Blue (5%)

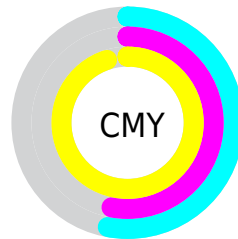


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (53%)



Cyan (53%)


Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7662, 0.4160, 0.4997 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 17.7662, 0.4160, 0.4997 by changing the saturation by 10% instead.


 17.7662, 0.4160,
0.4997

 17.7662, 0.4160,
0.4997


239.5499, 0.3644,
0.4051


 10.7823, 0.4244,
0.5226


 39.6385, 0.3992,
0.4646


 5.9206, 0.4393,
0.5607

 55.2957, 0.3921,
0.4514

 2.7969, 0.4253,
0.5747

 74.6128, 0.3858,
0.4403

 1.0266, 0.3959,
0.6041


 97.9741, 0.3803,
0.4310

 0.0000, 0.0000,
0.0000


 125.7641, 0.3756,
0.4231


 158.3671, 0.3714,

0.4162


 196.1676, 0.3677,
0.4103


 17.7662, 0.4160,
0.4997


 17.7662, 0.4160,
0.4997


 17.7401, 0.4193,
0.5052

 17.8073, 0.4111,
0.4916

 17.8699, 0.4038,
0.4796

 17.9576, 0.3943,
0.4639

 18.0727, 0.3828,
0.4449

 18.2170, 0.3698,
0.4234

■ 18.3926, 0.3559,
0.4003

■ 18.6010, 0.3414,
0.3765

■ 18.8438, 0.3270,
0.3526

■ 19.1224, 0.3128,
0.3292

Harmonies

Analogous

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



17.7662, 0.4870, 0.4361



17.7662, 0.4160, 0.4997



17.7662, 0.3244, 0.5183

Triad

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



17.7662, 0.4160, 0.4997



17.7662, 0.1467, 0.2415



17.7662, 0.3760, 0.2396

Complementary

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



17.7662, 0.4160, 0.4997



1.7222, 0.1577, 0.0727

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.



17.7662, 0.2726, 0.1987



17.7662, 0.4160, 0.4997



17.7662, 0.1555, 0.1940

Square

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



17.7662, 0.4160, 0.4997



17.7662, 0.1717, 0.3338



17.7662, 0.1966, 0.1822



17.7662, 0.4716, 0.2981

Rectangle

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



17.7662, 0.4160, 0.4997



17.7662, 0.2627, 0.4828



17.7662, 0.1966, 0.1822



17.7662, 0.3400, 0.2236

Sweetspot

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



17.7670, 0.4160, 0.4997



33.0124, 0.3524, 0.3946



4.3600, 0.6097, 0.3283



7.5271, 0.3562, 0.4009



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.



17.7670, 0.4160, 0.4997



31.7596, 0.4193, 0.5052



14.9453, 0.3449, 0.5536



4.6339, 0.3255, 0.3502



19.0064, 0.4193, 0.5052



90.6612, 0.4193, 0.5052

Inverse Universe

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



1.7222, 0.1577, 0.0727



2.4725, 0.1500, 0.0600



2.7569, 0.2141, 0.1028



3.8936, 0.2994, 0.3069



1.4798, 0.1500, 0.0600



7.0576, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 17.7662, 0.4160, 0.4997 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 Xy color 17.7662, 0.4160, 0.4997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

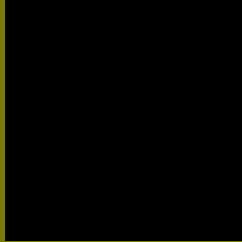
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7662, 0.4160, 0.4997

Background



This preview shows how black text looks on a background with the Yxy color 17.7662, 0.4160, 0.4997.



This preview shows how white text looks on a background with the Yxy color 17.7662, 0.4160, 0.4997.

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

17.7662, 0.4160, 0.4997

Protanopia

17.6500, 0.4373, 0.4844

Deuteranopia

17.7189, 0.4632, 0.4551



Tritanopia

17.8579, 0.3239, 0.3142

Trichromacy



Original Color

17.7662, 0.4160, 0.4997

Protanomaly

17.5702, 0.4300, 0.4893

Deuteranomaly

17.7084, 0.4454, 0.4717

Tritanomaly

17.5205, 0.3699, 0.3967

Monochromacy



Original Color

17.7662, 0.4160, 0.4997

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8154, 0.3618, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7662, 0.4160, 0.4997 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(121, 121, 12)` looks like.

```
.text, #text, p{  
    color:rgb(121, 121, 12)  
}
```

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(121, 121, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 121, 12) }
```

Border

The CSS property to change the border of an element to Yxy 17.7662, 0.4160, 0.4997 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(121, 121, 12) }
```

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

```
.border{ border-color:rgb(121, 121, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 121, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 121, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 121, 12);  
box-shadow:4px 4px 4px 4px rgb(121, 121,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7662, 0.4160, 0.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 121, 12) }
```

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

```
.background{ background-color: rgb(121,  
121, 12) }
```

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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