

Converting Colors

$Y_{xy}(15.9749, 0.4581, 0.5419)$

Have a look what the booklet for
Yxy(15.9749, 0.4581, 0.5419)
contains.

Yxy(16.0996, 0.4294, 0.4973)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(16.0996, 0.4294, 0.4973)$

Conversions

Conversions Part 1

Format	Color
Hex	797200
RGB	121, 114, 0
RGB Percent	47%, 45%, 0%
CMY	0.5255, 0.5529, 1.0000
CMYK	0.00, 0.06, 1.00, 0.53
HSL	57°, 100%, 24%
HSV	57°, 100%, 47%
XYZ	13.9014, 16.0996, 2.3730
YIQ	103.0970, 40.7660, -33.9700

Conversions

Conversions Part 2

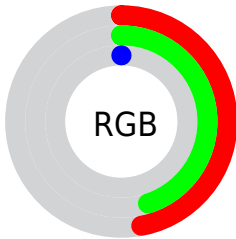
Format	Color
R_YB	7, 121, 0
Decimal	7959040
CIE Lab	47.10, -8.57, 52.94
CIE LCh	47, 53.625, 99.193
Yxy	16.0996, 0.4294, 0.4973
Android (android.graphics.Color)	4286149120 (0xFF797200)
YUV	103.0970, -50.8268, 15.7009
Hunter-Lab	40.1243, -8.3747, 24.5805

Details

The Yxy color **16.0996, 0.4294, 0.4973** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5319, 0.1516, 0.0659**, and the grayscale version is **13.7200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9784, 0.4095, 0.4636**, and **5.1254, 0.4239, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **16.1005, 0.4294, 0.4973**, and if you desaturate by 10%, it is **16.2855, 0.4246, 0.4922**.

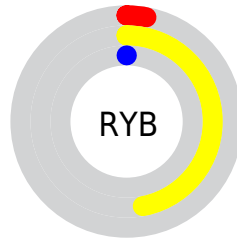
Distribution



Red (47%)

Green (45%)

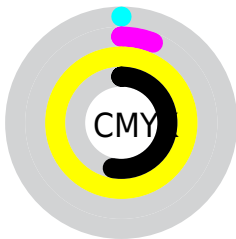
Blue (0%)



Red (3%)

Yellow (47%)

Blue (0%)

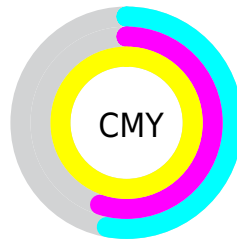


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0996, 0.4294, 0.4973 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 16.0996, 0.4294, 0.4973 by changing the saturation by 10% instead.

■ 16.0996, 0.4294,
0.4973

■ 16.0996, 0.4294,
0.4973

■ 229.9287, 0.3700,
0.4048

■ 9.5947, 0.4396,
0.5186

■ 36.7710, 0.4098,
0.4636

■ 5.1310, 0.4520,
0.5480

■ 51.7063, 0.4015,
0.4507

■ 2.3244, 0.4411,
0.5589

■ 70.2205, 0.3943,
0.4398

■ 0.7866, 0.4064,
0.5936

■ 92.6980, 0.3881,
0.4306

■ 0.0000, 0.0000,
0.0000

■ 119.5231, 0.3826,
0.4227


■ 151.0804, 0.3779,


0.4159


 187.7541, 0.3737,
0.4100


 16.0996, 0.4294,
0.4973


 16.0996, 0.4294,
0.4973


 16.1005, 0.4294,
0.4973

 16.2855, 0.4246,
0.4922

 16.4849, 0.4182,
0.4846

 16.7079, 0.4094,
0.4729

 16.9572, 0.3984,
0.4576

 17.2351, 0.3856,
0.4392

■ 17.5435, 0.3716,
0.4185

■ 17.8844, 0.3568,
0.3964

■ 18.2593, 0.3418,
0.3737

■ 18.6698, 0.3270,
0.3510

Harmonies

Analogous

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



16.0996, 0.4987, 0.4282



16.0996, 0.4294, 0.4973



16.0996, 0.3366, 0.5278

Triad

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



16.0996, 0.4294, 0.4973



16.0996, 0.1433, 0.2479



16.0996, 0.3633, 0.2301

Complementary

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



16.0996, 0.4294, 0.4973



1.5319, 0.1516, 0.0659

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.



16.0996, 0.2587, 0.1914



16.0996, 0.4294, 0.4973



16.0996, 0.1482, 0.1939

Square

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



16.0996, 0.4294, 0.4973



16.0996, 0.1734, 0.3492



16.0996, 0.1856, 0.1779



16.0996, 0.4667, 0.2880

Rectangle

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



16.0996, 0.4294, 0.4973



16.0996, 0.2724, 0.5001



16.0996, 0.1856, 0.1779



16.0996, 0.3262, 0.2147

Sweetspot

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



16.1005, 0.4294, 0.4973



31.9830, 0.3579, 0.3981



4.0820, 0.6286, 0.3237



7.2647, 0.3629, 0.4056



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.



16.1005, 0.4294, 0.4973



28.7654, 0.4296, 0.4971



14.9220, 0.3484, 0.5615



4.5962, 0.3256, 0.3490



17.2511, 0.4294, 0.4972



81.8561, 0.4300, 0.4968

Inverse Universe

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



1.5319, 0.1516, 0.0659



2.6702, 0.1512, 0.0643



2.1218, 0.1936, 0.0840



3.9273, 0.2994, 0.3082



1.6360, 0.1516, 0.0657



7.3866, 0.1507, 0.0625

Previews

White Background



This preview shows how the Yxy color 16.0996, 0.4294, 0.4973 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 16.0996, 0.4294, 0.4973 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 16.0996, 0.4294, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 16.0996, 0.4294, 0.4973.



This preview shows how white text looks on a background with the Yxy color 16.0996, 0.4294, 0.4973.

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

16.0996, 0.4294, 0.4973

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0082, 0.4642, 0.4578



Tritanopia

16.1122, 0.3330, 0.3139

Trichromacy



Original Color

16.0996, 0.4294, 0.4973

Protanomaly

16.0953, 0.4352, 0.4927

Deuteranomaly

16.0275, 0.4522, 0.4720

Tritanomaly

15.7783, 0.3834, 0.3999

Monochromacy



Original Color

16.0996, 0.4294, 0.4973

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.2237, 0.3713, 0.4168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0996, 0.4294, 0.4973 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, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 114, 0)  
}
```

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, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.0996, 0.4294, 0.4973 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, 114, 0) }
```

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

```
.border{ border-color:rgb(121, 114, 0) }
```

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

Here you see how a box with a 4 pixel rgb(121, 114, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0996, 0.4294, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 114, 0) }
```

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

```
.background{ background-color: rgb(121,  
114, 0) }
```

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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