

Converting Colors

$Y_{xy}(14.7832, 0.4001, 0.4972)$

Have a look what the booklet for
Yxy(14.7832, 0.4001, 0.4972)
contains.

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Color

Yxy(14.7144, 0.4014, 0.4966)

Conversions

Conversions Part 1

Format	Color
Hex	6A7017
RGB	106, 112, 23
RGB Percent	42%, 44%, 9%
CMY	0.5843, 0.5608, 0.9099
CMYK	0.05, 0.00, 0.79, 0.56
HSL	64°, 66%, 26%
HSV	64°, 79%, 44%
XYZ	11.8936, 14.7144, 3.0223
YIQ	100.0600, 24.9930, -28.9510

Conversions

Conversions Part 2

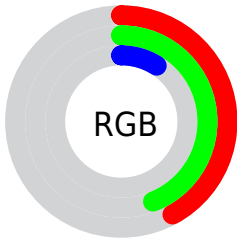
Format	Color
R_{YB}	23, 112, 29
Decimal	6975511
CIE Lab	45.24, -13.88, 45.03
CIE LCh	45, 47.122, 107.129
Yxy	14.7144, 0.4014, 0.4966
Android (android.graphics.Color)	4285165591 (0xFF6A7017)
YUV	100.0600, -37.9906, 5.2094
Hunter-Lab	38.3594, -11.7836, 22.1802

Details

The Yxy color **14.7144, 0.4014, 0.4966** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0422, 0.1754, 0.0959**, and the grayscale version is **12.8543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5325, 0.3854, 0.4582**, and **4.5075, 0.4001, 0.5205** is the 20% darker color. If you saturate the color by 10%, you get **14.6334, 0.4054, 0.5064**, and if you desaturate by 10%, it is **14.8162, 0.3950, 0.4829**.

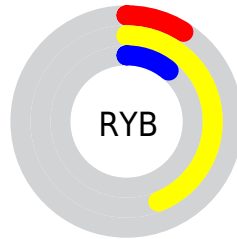
Distribution



Red (42%)

Green (44%)

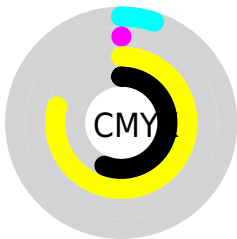
Blue (9%)



Red (9%)

Yellow (44%)

Blue (11%)

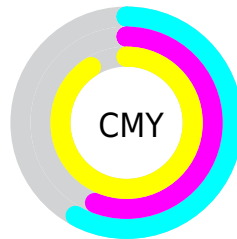


Cyan (5%)

Magenta (0%)

Yellow (79%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7144, 0.4014, 0.4966 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 14.7144, 0.4014, 0.4966 by changing the saturation by 10% instead.


 14.7144, 0.4014,
0.4966


 14.7144, 0.4014,
0.4966


 221.6310, 0.3553,
0.3988


 8.6192, 0.4095,
0.5234


 34.3514, 0.3858,
0.4583


 4.4936, 0.4269,
0.5731

 48.6619, 0.3794,
0.4446


 1.9534, 0.4068,
0.5932

 66.4797, 0.3738,
0.4334

 0.5802, 0.2682,
0.7318


 88.1891, 0.3691,
0.4241

 0.0000, 0.0000,
0.0000

 114.1746, 0.3649,
0.4162

 144.8204, 0.3613,

0.4095


 180.5111, 0.3581,
0.4038


 14.7144, 0.4014,
0.4966


 14.7144, 0.4014,
0.4966


 14.6334, 0.4054,
0.5064


 14.8162, 0.3950,
0.4829


 14.5631, 0.4080,
0.5138

 14.9388, 0.3864,
0.4655

 14.5595, 0.4081,
0.5141

 15.0848, 0.3760,
0.4452

 15.2558, 0.3642,
0.4228

 15.4533, 0.3514,
0.3991

■ 15.6787, 0.3382,
0.3750

■ 15.9333, 0.3250,
0.3510

■ 16.2183, 0.3121,
0.3278

■ 16.5348, 0.2996,
0.3058

Harmonies

Analogous

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



14.7144, 0.4718, 0.4416



14.7144, 0.4014, 0.4966



14.7144, 0.3133, 0.5021

Triad

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



14.7144, 0.4014, 0.4966



14.7144, 0.1539, 0.2387



14.7144, 0.3860, 0.2509

Complementary

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



14.7144, 0.4014, 0.4966



2.0422, 0.1754, 0.0959

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.



14.7144, 0.2871, 0.2089



14.7144, 0.4014, 0.4966



14.7144, 0.1663, 0.1976

Square

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



14.7144, 0.4014, 0.4966



14.7144, 0.1738, 0.3206



14.7144, 0.2104, 0.1898



14.7144, 0.4708, 0.3088

Rectangle

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



14.7144, 0.4014, 0.4966



14.7144, 0.2556, 0.4610



14.7144, 0.2104, 0.1898



14.7144, 0.3523, 0.2347

Sweetspot

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



14.7151, 0.4014, 0.4966



27.3339, 0.3451, 0.3874



4.3807, 0.5627, 0.3389



6.5407, 0.3488, 0.3942



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.



14.7151, 0.4014, 0.4966



25.6134, 0.4070, 0.5115



12.6598, 0.3379, 0.5409



3.9054, 0.3244, 0.3499



16.8278, 0.4080, 0.5142



83.6773, 0.4074, 0.5147

Inverse Universe

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



2.0422, 0.1754, 0.0959



2.3280, 0.1561, 0.0668



3.2146, 0.2418, 0.1293



3.3102, 0.3005, 0.3074



1.4044, 0.1534, 0.0619



6.8529, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 14.7144, 0.4014, 0.4966 looks on a white background.

Color Contrast Check

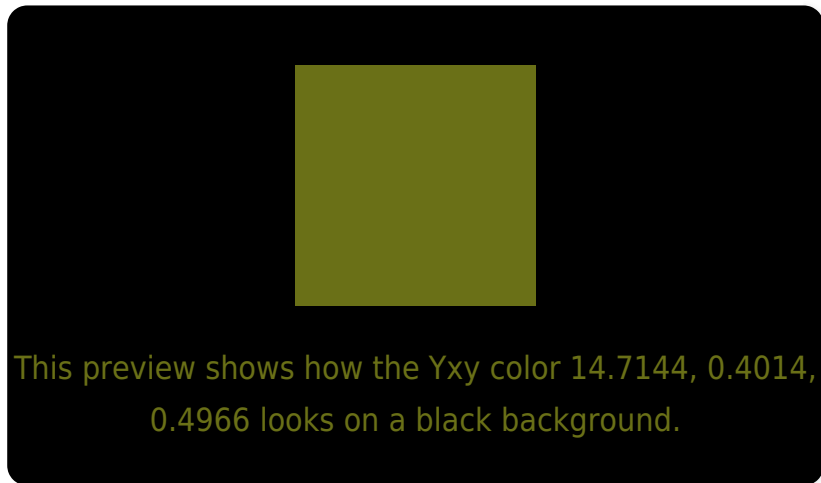
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

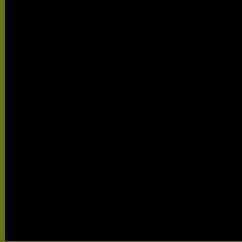
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7144, 0.4014, 0.4966

Background



This preview shows how black text looks on a background with the Yxy color 14.7144, 0.4014, 0.4966.



This preview shows how white text looks on a background with the Yxy color 14.7144, 0.4014, 0.4966.

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

14.7144, 0.4014, 0.4966

Protanopia

14.5664, 0.4298, 0.4761

Deuteranopia

14.6549, 0.4538, 0.4496



Tritanopia

14.6703, 0.3150, 0.3107

Trichromacy



Original Color

14.7144, 0.4014, 0.4966

Protanomaly

14.6400, 0.4194, 0.4841

Deuteranomaly

14.6677, 0.4347, 0.4670

Tritanomaly

14.4741, 0.3544, 0.3868

Monochromacy



Original Color

14.7144, 0.4014, 0.4966

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1933, 0.3530, 0.4015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7144, 0.4014, 0.4966 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(106, 112, 23)` looks like.

```
.text, #text, p{  
    color:rgb(106, 112, 23)  
}
```

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(106, 112, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 112, 23) }
```

Border

The CSS property to change the border of an element to Yxy 14.7144, 0.4014, 0.4966 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(106, 112, 23) }
```

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

```
.border{ border-color:rgb(106, 112, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 112, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 112, 23); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 112, 23); box-shadow:4px 4px 4px 4px rgb(106, 112, 23) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7144, 0.4014, 0.4966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 112, 23) }
```

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

```
.background{ background-color: rgb(106,  
112, 23) }
```

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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