

Converting Colors

$Y_{xy}(14.4629, 0.3986, 0.5217)$

Have a look what the booklet for
Yxy(14.4629, 0.3986, 0.5217)
contains.

Yxy(14.4629, 0.3986, 0.5217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.4629, 0.3986, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	637100
RGB	99, 113, 0
RGB Percent	39%, 44%, 0%
CMY	0.6118, 0.5568, 0.9999
CMYK	0.12, 0.00, 1.00, 0.56
HSL	67°, 100%, 22%
HSV	67°, 100%, 44%
XYZ	11.0502, 14.4629, 2.2095
YIQ	95.9320, 27.9290, -38.1110

Conversions

Conversions Part 2

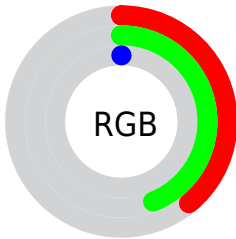
Format	Color
RYB	0, 113, 14
Decimal	6516992
CIELab	44.89, -18.42, 50.43
CIELCh	45, 53.690, 110.068
Yxy	14.4629, 0.3986, 0.5217
Android (android.graphics.Color)	4284707072 (0xFF637100)
YUV	95.9320, -47.2945, 2.6906
Hunter-Lab	38.0301, -14.6868, 23.1764

Details

The Yxy color **14.4629, 0.3986, 0.5217** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.2863, 0.1569, 0.0638**, and the grayscale version is **11.7923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0304, 0.3859, 0.4782**, and **4.4090, 0.3789, 0.5373** is the 20% darker color. If you saturate the color by 10%, you get **14.4634, 0.3986, 0.5217**, and if you desaturate by 10%, it is **14.5680, 0.3970, 0.5133**.

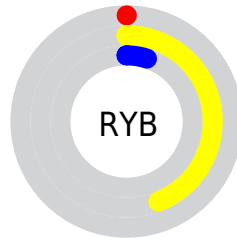
Distribution



Red (39%)

Green (44%)

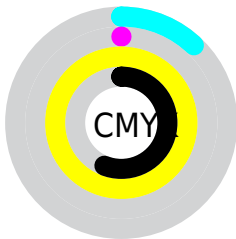
Blue (0%)



Red (0%)

Yellow (44%)

Blue (5%)

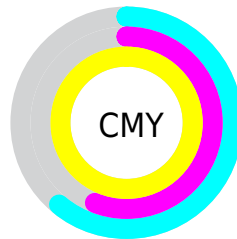


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (61%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4629, 0.3986, 0.5217 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 14.4629, 0.3986, 0.5217 by changing the saturation by 10% instead.


 14.4629, 0.3986,
0.5217


 14.4629, 0.3986,
0.5217


 220.0918, 0.3570,
0.4094


 8.4433, 0.4034,
0.5522


 33.9081, 0.3863,
0.4783


 4.3799, 0.4056,
0.5944

 48.1026, 0.3804,
0.4625


 1.8883, 0.3781,
0.6219

 65.7908, 0.3752,
0.4495

 0.5413, 0.1069,
0.8931


 87.3572, 0.3706,
0.4387


 0.0000, 0.0000,
0.0000


 113.1860, 0.3666,
0.4297


 143.6618, 0.3630,


0.4219


 179.1690, 0.3598,
0.4152


 14.4629, 0.3986,
0.5217


 14.4629, 0.3986,
0.5217


 14.4634, 0.3986,
0.5217

 14.5680, 0.3970,
0.5133

 14.6845, 0.3941,
0.5026

 14.8215, 0.3888,
0.4879

 14.9814, 0.3813,
0.4697

 15.1660, 0.3719,
0.4485

■ 15.3771, 0.3611,
0.4253

■ 15.6162, 0.3494,
0.4011

■ 15.8847, 0.3371,
0.3765

■ 16.1839, 0.3248,
0.3523

Harmonies

Analogous

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



14.4629, 0.4821, 0.4571



14.4629, 0.3986, 0.5217



14.4629, 0.2999, 0.5264

Triad

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



14.4629, 0.3986, 0.5217



14.4629, 0.1366, 0.2193



14.4629, 0.4069, 0.2468

Complementary

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



14.4629, 0.3986, 0.5217



1.2863, 0.1569, 0.0638

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.



14.4629, 0.2930, 0.1991



14.4629, 0.3986, 0.5217



14.4629, 0.1536, 0.1800

Square

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



14.4629, 0.3986, 0.5217



14.4629, 0.1533, 0.3058



14.4629, 0.2045, 0.1755



14.4629, 0.5000, 0.3105

Rectangle

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



14.4629, 0.3986, 0.5217



14.4629, 0.2369, 0.4731



14.4629, 0.2045, 0.1755



14.4629, 0.3683, 0.2286

Sweetspot

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



14.4636, 0.3986, 0.5217



27.9244, 0.3504, 0.4031



3.8040, 0.6251, 0.3418



6.4251, 0.3542, 0.4109



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.



14.4636, 0.3986, 0.5217



25.8595, 0.3980, 0.5222



12.3320, 0.3252, 0.5799



3.8963, 0.3236, 0.3499



16.3994, 0.3985, 0.5218



81.4381, 0.3973, 0.5228

Inverse Universe

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



1.2863, 0.1569, 0.0638



2.2669, 0.1555, 0.0630



2.4834, 0.2306, 0.1044



3.3185, 0.3013, 0.3074



1.4528, 0.1565, 0.0636



7.0233, 0.1538, 0.0621

Previews

White Background



This preview shows how the Yxy color 14.4629, 0.3986, 0.5217 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 14.4629, 0.3986, 0.5217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

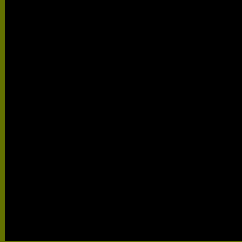
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4629, 0.3986, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 14.4629, 0.3986, 0.5217.



This preview shows how white text looks on a background with the Yxy color 14.4629, 0.3986, 0.5217.

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

14.4629, 0.3986, 0.5217

Protanopia

14.3011, 0.4405, 0.4884

Deuteranopia

14.4227, 0.4613, 0.4556



Tritanopia

14.4836, 0.3066, 0.3124

Trichromacy



Original Color

14.4629, 0.3986, 0.5217

Protanomaly

14.3820, 0.4238, 0.5017

Deuteranomaly

14.1946, 0.4393, 0.4795

Tritanomaly

14.1963, 0.3554, 0.4082

Monochromacy



Original Color

14.4629, 0.3986, 0.5217

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.3811, 0.3610, 0.4247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4629, 0.3986, 0.5217 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(99, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 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(99, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.4629, 0.3986, 0.5217 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(99, 113, 0) }
```

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

```
.border{ border-color:rgb(99, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 113, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4629, 0.3986, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 0) }
```

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

```
.background{ background-color: rgb(99, 113,  
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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