

Converting Colors

$Y_{xy}(13.6262, 0.4003, 0.5203)$

Have a look what the booklet for
Yxy(13.6262, 0.4003, 0.5203)
contains.

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Color

Yxy(13.6932, 0.3996, 0.5209)

Conversions

Conversions Part 1

Format	Color
Hex	616E00
RGB	97, 110, 0
RGB Percent	38%, 43%, 0%
CMY	0.6197, 0.5686, 0.9999
CMYK	0.12, 0.00, 1.00, 0.57
HSL	67°, 100%, 22%
HSV	67°, 100%, 43%
XYZ	10.5045, 13.6932, 2.0899
YIQ	93.5730, 27.5620, -36.9660

Conversions

Conversions Part 2

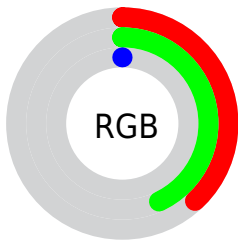
Format	Color
RYB	0, 110, 13
Decimal	6385152
CIELab	43.79, -17.77, 49.54
CIElCh	44, 52.627, 109.731
Yxy	13.6932, 0.3996, 0.5209
Android (android.graphics.Color)	4284575232 (0xFF616E00)
YUV	93.5730, -46.1315, 3.0055
Hunter-Lab	37.0043, -14.0863, 22.5546

Details

The Yxy color **13.6932, 0.3996, 0.5209** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.2123, 0.1567, 0.0637**, and the grayscale version is **11.1936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4060, 0.3873, 0.4763**, and **4.0261, 0.3798, 0.5366** is the 20% darker color. If you saturate the color by 10%, you get **13.6936, 0.3996, 0.5209**, and if you desaturate by 10%, it is **13.7901, 0.3978, 0.5125**.

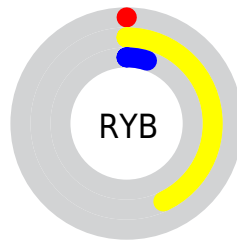
Distribution



Red (38%)

Green (43%)

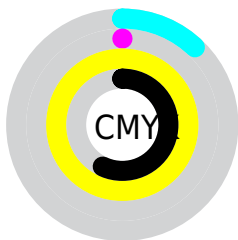
Blue (0%)



Red (0%)

Yellow (43%)

Blue (5%)

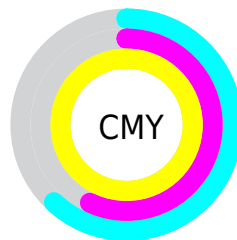


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (62%)


Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6932, 0.3996, 0.5209 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 13.6932, 0.3996, 0.5209 by changing the saturation by 10% instead.


 13.6932, 0.3996,
0.5209

 13.6932, 0.3996,
0.5209


215.3138, 0.3570,
0.4083


 7.9076, 0.4051,
0.5523


 32.5437, 0.3868,
0.4771


 4.0359, 0.4064,
0.5936

 46.3773, 0.3808,
0.4613


 1.6937, 0.3781,
0.6219

 63.6624, 0.3754,
0.4483

 0.4195, 0.0000,
1.0000


 84.7834, 0.3708,
0.4375

 0.0000, 0.0000,
0.0000


 110.1246, 0.3666,
0.4285

 140.0705, 0.3630,


0.4207

 175.0054, 0.3598,
0.4141


 13.6932, 0.3996,
0.5209


 13.6932, 0.3996,
0.5209


 13.6936, 0.3996,
0.5209

 13.7901, 0.3978,
0.5125

 13.8972, 0.3947,
0.5018

 14.0237, 0.3893,
0.4872

 14.1714, 0.3817,
0.4690

 14.3424, 0.3722,
0.4480

■ 14.5380, 0.3613,
0.4249

■ 14.7599, 0.3495,
0.4008

■ 15.0092, 0.3372,
0.3763

■ 15.2873, 0.3248,
0.3522

Harmonies

Analogous

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



13.6932, 0.4826, 0.4561



13.6932, 0.3996, 0.5209



13.6932, 0.3011, 0.5265

Triad

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



13.6932, 0.3996, 0.5209



13.6932, 0.1368, 0.2201



13.6932, 0.4055, 0.2463

Complementary

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



13.6932, 0.3996, 0.5209



1.2123, 0.1567, 0.0637

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.



13.6932, 0.2918, 0.1988



13.6932, 0.3996, 0.5209



13.6932, 0.1534, 0.1804

Square

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



13.6932, 0.3996, 0.5209



13.6932, 0.1539, 0.3072



13.6932, 0.2039, 0.1756



13.6932, 0.4990, 0.3098

Rectangle

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



13.6932, 0.3996, 0.5209



13.6932, 0.2381, 0.4741



13.6932, 0.2039, 0.1756



13.6932, 0.3669, 0.2282

Sweetspot

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



13.6938, 0.3996, 0.5209



25.8843, 0.3505, 0.4028



3.5996, 0.6247, 0.3421



5.9942, 0.3543, 0.4104



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.6938, 0.3996, 0.5209



24.0124, 0.3991, 0.5213



11.6494, 0.3254, 0.5798



3.8972, 0.3237, 0.3499



16.4402, 0.3994, 0.5211



81.6510, 0.3983, 0.5220

Inverse Universe

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



1.2123, 0.1567, 0.0637



2.0954, 0.1553, 0.0629



2.3498, 0.2309, 0.1046



3.3177, 0.3012, 0.3074



1.4473, 0.1562, 0.0634



7.0024, 0.1535, 0.0619

Previews

White Background



This preview shows how the Yxy color 13.6932, 0.3996, 0.5209 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 13.6932, 0.3996, 0.5209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

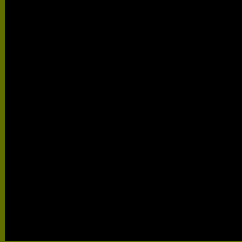
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6932, 0.3996, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 13.6932, 0.3996, 0.5209.



This preview shows how white text looks on a background with the Yxy color 13.6932, 0.3996, 0.5209.

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

13.6932, 0.3996, 0.5209

Protanopia

13.6825, 0.4394, 0.4893

Deuteranopia

13.6077, 0.4620, 0.4541



Tritanopia

13.6318, 0.3064, 0.3119

Trichromacy



Original Color

13.6932, 0.3996, 0.5209

Protanomaly

13.6231, 0.4255, 0.5004

Deuteranomaly

13.4512, 0.4412, 0.4776

Tritanomaly

13.3701, 0.3551, 0.4080

Monochromacy



Original Color

13.6932, 0.3996, 0.5209

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.8735, 0.3604, 0.4240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6932, 0.3996, 0.5209 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(97, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 110, 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(97, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.6932, 0.3996, 0.5209 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(97, 110, 0) }
```

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

```
.border{ border-color:rgb(97, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(97, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6932, 0.3996, 0.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 110, 0) }
```

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

```
.background{ background-color: rgb(97, 110,  
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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