

Converting Colors

$Y_{xy}(13.7457, 0.3996, 0.5276)$

Have a look what the booklet for
Yxy(13.7457, 0.3996, 0.5276)
contains.

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Color

Yxy(13.8557, 0.3968, 0.5232)

Conversions

Conversions Part 1

Format	Color
Hex	606F00
RGB	96, 111, 0
RGB Percent	38%, 44%, 0%
CMY	0.6235, 0.5647, 1.0000
CMYK	0.14, 0.00, 1.00, 0.56
HSL	68°, 100%, 22%
HSV	68°, 100%, 44%
XYZ	10.5083, 13.8557, 2.1186
YIQ	93.8610, 26.6910, -37.7010

Conversions

Conversions Part 2

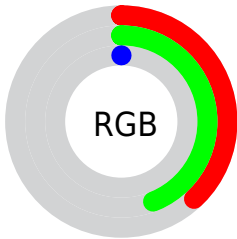
Format	Color
RYB	0, 111, 15
Decimal	6319872
CIELab	44.03, -18.75, 49.70
CIELCh	44, 53.119, 110.674
Yxy	13.8557, 0.3968, 0.5232
Android (android.graphics.Color)	4284509952 (0xFF606F00)
YUV	93.8610, -46.2735, 1.8759
Hunter-Lab	37.2232, -14.7493, 22.6817

Details

The Yxy color **13.8557, 0.3968, 0.5232** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.2493, 0.1578, 0.0643**, and the grayscale version is **11.2662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0153, 0.3847, 0.4790**, and **4.1129, 0.3755, 0.5401** is the 20% darker color. If you saturate the color by 10%, you get **13.8565, 0.3968, 0.5232**, and if you desaturate by 10%, it is **13.9630, 0.3953, 0.5145**.

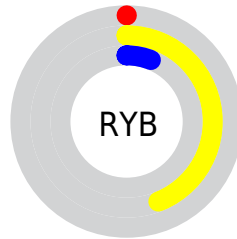
Distribution



Red (38%)

Green (44%)

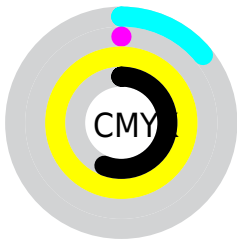
Blue (0%)



Red (0%)

Yellow (44%)

Blue (6%)

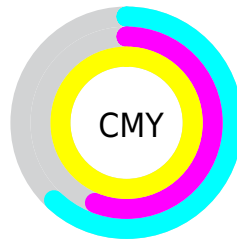


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (62%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8557, 0.3968, 0.5232 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 13.8557, 0.3968, 0.5232 by changing the saturation by 10% instead.


 13.8557, 0.3968,
0.5232


 13.8557, 0.3968,
0.5232


 216.3313, 0.3560,
0.4091


 8.0204, 0.4015,
0.5551


 32.8328, 0.3848,
0.4787


 4.1080, 0.4023,
0.5977

 46.7433, 0.3790,
0.4627

 1.7342, 0.3728,
0.6272

 64.1144, 0.3739,
0.4495

 0.4456, 0.0000,
1.0000

 85.3303, 0.3694,
0.4386


 0.0000, 0.0000,
0.0000

 110.7756, 0.3654,
0.4295


 140.8346, 0.3619,


0.4217


 175.8917, 0.3588,
0.4150


 13.8557, 0.3968,
0.5232


 13.8557, 0.3968,
0.5232


 13.8565, 0.3968,
0.5232

 13.9630, 0.3953,
0.5145

 14.0810, 0.3925,
0.5035

 14.2191, 0.3874,
0.4885

 14.3793, 0.3801,
0.4700

 14.5636, 0.3709,
0.4487

■ 14.7734, 0.3603,
0.4254

■ 15.0104, 0.3488,
0.4011

■ 15.2758, 0.3368,
0.3765

■ 15.5709, 0.3246,
0.3523

Harmonies

Analogous

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



13.8557, 0.4811, 0.4588



13.8557, 0.3968, 0.5232



13.8557, 0.2977, 0.5263

Triad

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



13.8557, 0.3968, 0.5232



13.8557, 0.1362, 0.2177



13.8557, 0.4095, 0.2477

Complementary

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



13.8557, 0.3968, 0.5232



1.2493, 0.1578, 0.0643

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.



13.8557, 0.2950, 0.1995



13.8557, 0.3968, 0.5232



13.8557, 0.1539, 0.1792

Square

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



13.8557, 0.3968, 0.5232



13.8557, 0.1521, 0.3034



13.8557, 0.2056, 0.1753



13.8557, 0.5019, 0.3117

Rectangle

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



13.8557, 0.3968, 0.5232



13.8557, 0.2349, 0.4715



13.8557, 0.2056, 0.1753



13.8557, 0.3708, 0.2294

Sweetspot

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



13.8565, 0.3968, 0.5232



26.8406, 0.3497, 0.4031



3.7157, 0.6224, 0.3440



6.4140, 0.3536, 0.4111



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.



13.8565, 0.3968, 0.5232



24.7715, 0.3962, 0.5236



11.8348, 0.3236, 0.5813



3.8945, 0.3234, 0.3499



16.3193, 0.3966, 0.5233



81.0208, 0.3953, 0.5243

Inverse Universe

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



1.2493, 0.1578, 0.0643



2.2001, 0.1562, 0.0634



2.4611, 0.2344, 0.1065



3.3201, 0.3015, 0.3074



1.4643, 0.1573, 0.0640



7.0674, 0.1543, 0.0624

Previews

White Background



This preview shows how the Yxy color 13.8557, 0.3968, 0.5232 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 13.8557, 0.3968, 0.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

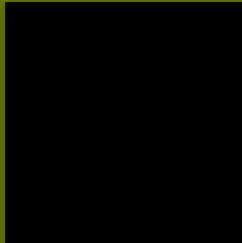
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.8557, 0.3968, 0.5232

Background



This preview shows how black text looks on a background with the Yxy color 13.8557, 0.3968, 0.5232.



This preview shows how white text looks on a background with the Yxy color 13.8557, 0.3968, 0.5232.

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

13.8557, 0.3968, 0.5232

Deuteranopia

13.7960, 0.4604, 0.4556

Tritanopia

13.8515, 0.3051, 0.3120

Trichromacy



Original Color

13.8557, 0.3968, 0.5232

Deuteranomaly

13.5786, 0.4380, 0.4801

Tritanomaly

13.5878, 0.3532, 0.4078

Monochromacy



Original Color

13.8557, 0.3968, 0.5232

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 13.8557, 0.3968, 0.5232 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(96, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 111, 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(96, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8557, 0.3968, 0.5232 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(96, 111, 0) }
```

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

```
.border{ border-color:rgb(96, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 111, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.8557, 0.3968, 0.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 111, 0) }
```

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

```
.background{ background-color: rgb(96, 111,  
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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