

Converting Colors

$Y_{xy}(13.5444, 0.3148, 0.2886)$

Have a look what the booklet for
Yxy(13.5444, 0.3148, 0.2886)
contains.

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Color

Yxy(13.6157, 0.3146, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	756175
RGB	117, 97, 117
RGB Percent	46%, 38%, 46%
CMY	0.5412, 0.6196, 0.5412
CMYK	0.00, 0.17, 0.00, 0.54
HSL	300°, 9%, 42%
HSV	300°, 17%, 46%
XYZ	14.8218, 13.6157, 18.6757
YIQ	105.2600, 5.5000, 10.4600

Conversions

Conversions Part 2

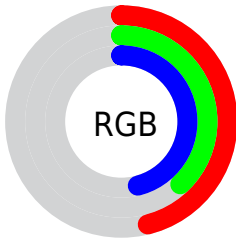
Format	Color
R _Y B	117, 97, 117
Decimal	7692661
CIE Lab	43.68, 11.90, -8.23
CIE LCh	44, 14.470, 325.327
Yxy	13.6157, 0.3146, 0.2890
Android (android.graphics.Color)	4285882741 (0xFF756175)
YUV	105.2600, 5.7878, 10.2960
Hunter-Lab	36.8995, 7.1259, -4.1784

Details

The Yxy color **13.6157, 0.3146, 0.2890** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1280, 0.3107, 0.3725**, and the grayscale version is **14.1840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4794, 0.3141, 0.2991**, and **4.0625, 0.3154, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **11.6111, 0.3157, 0.2653**, and if you desaturate by 10%, it is **15.9405, 0.3135, 0.3126**.

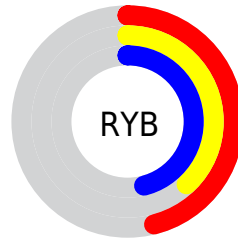
Distribution



Red (46%)

Green (38%)

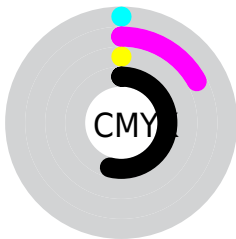
Blue (46%)



Red (46%)

Yellow (38%)

Blue (46%)

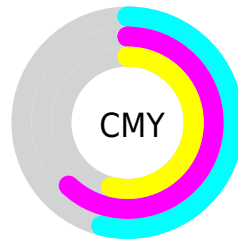


Cyan (0%)

Magenta (17%)

Yellow (0%)

Black (54%)



Cyan (54%)


Magenta (62%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6157, 0.3146, 0.2890 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 13.6157, 0.3146, 0.2890 by changing the saturation by 10% instead.


 13.6157, 0.3146,
0.2890

 13.6157, 0.3146,
0.2890


214.8268, 0.3137,
0.3125


 7.8539, 0.3147,
0.2815


 32.4056, 0.3143,
0.2986


 4.0016, 0.3148,
0.2707

 46.2024, 0.3142,
0.3018

 1.6744, 0.3147,
0.2535

 63.4464, 0.3141,
0.3045

 0.4070, 0.3219,
0.1934

 84.5218, 0.3140,
0.3066

 0.0000, 0.0000,
0.0000

109.8132, 0.3139,
0.3084

139.7049, 0.3138,

0.3100

174.5813, 0.3138,
0.3113

■ 13.6157, 0.3146,
0.2890

■ 13.6157, 0.3146,
0.2890

■ 11.6111, 0.3157,
0.2653

■ 15.9405, 0.3135,
0.3126

■ 9.9109, 0.3168,
0.2421

■ 18.5967, 0.3124,
0.3356

■ 8.5008, 0.3178,
0.2203

■ 21.5972, 0.3114,
0.3575

■ 7.3646, 0.3188,
0.2007

■ 24.9538, 0.3104,
0.3780

■ 6.4846, 0.3196,
0.1841

■ 28.6776, 0.3095,
0.3971

■ 5.8408, 0.3202,
0.1710

■ 32.7792, 0.3087,
0.4146

■ 5.4104, 0.3206,
0.1618

■ 37.2689, 0.3079,
0.4306

■ 5.1397, 0.3209,
0.1558

■ 42.1565, 0.3072,
0.4452

■ 5.0658, 0.3210,
0.1542

■ 47.4515, 0.3066,
0.4584

Harmonies

Analogous

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



13.6157, 0.2851, 0.2793



13.6157, 0.3146, 0.2890



13.6157, 0.3449, 0.3081

Triad

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



13.6157, 0.3146, 0.2890



13.6157, 0.3628, 0.3765



13.6157, 0.2613, 0.3215

Complementary

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



13.6157, 0.3146, 0.2890



16.1280, 0.3107, 0.3725

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.



13.6157, 0.2804, 0.3507



13.6157, 0.3146, 0.2890



13.6157, 0.3388, 0.3835

Square

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



13.6157, 0.3146, 0.2890



13.6157, 0.3734, 0.3574



13.6157, 0.3085, 0.3742



13.6157, 0.2555, 0.2964

Rectangle

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



13.6157, 0.3146, 0.2890



13.6157, 0.3609, 0.3241



13.6157, 0.3085, 0.3742



13.6157, 0.2663, 0.3313

Sweetspot

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



13.6163, 0.3146, 0.2890



29.4301, 0.3133, 0.3172



12.3758, 0.2864, 0.2854



6.7089, 0.3133, 0.3159



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.6163, 0.3146, 0.2890



22.7151, 0.3151, 0.2784



13.3936, 0.3287, 0.3086



3.7579, 0.3137, 0.3081



5.5811, 0.3210, 0.1542



27.1974, 0.3210, 0.1542

Inverse Universe

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



13.6163, 0.3146, 0.2890



22.7151, 0.3151, 0.2784



16.3264, 0.2993, 0.3504



3.7579, 0.3137, 0.3081



5.5811, 0.3210, 0.1542



27.1974, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.6157, 0.3146, 0.2890 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 13.6157, 0.3146, 0.2890 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 13.6157, 0.3146, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 13.6157, 0.3146, 0.2890.



This preview shows how white text looks on a background with the Yxy color 13.6157, 0.3146, 0.2890.

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

13.6157, 0.3146, 0.2890

Protanopia

13.5925, 0.2860, 0.2889

Deuteranopia

13.6941, 0.3015, 0.2977



Tritanopia

13.6982, 0.3268, 0.3126

Trichromacy



Original Color

13.6157, 0.3146, 0.2890

Protanomaly

13.5346, 0.2951, 0.2875

Deuteranomaly

13.7548, 0.3071, 0.2961

Tritanomaly

13.5961, 0.3213, 0.3026

Monochromacy



Original Color

13.6157, 0.3146, 0.2890

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8581, 0.3134, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6157, 0.3146, 0.2890 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(117, 97, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 97, 117)  
}
```

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(117, 97, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 97, 117) }
```

Border

The CSS property to change the border of an element to Yxy 13.6157, 0.3146, 0.2890 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(117, 97, 117) }
```

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

```
.border{ border-color:rgb(117, 97, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 97, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 97, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 97, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 97,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6157, 0.3146, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 97, 117) }
```

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

```
.background{ background-color: rgb(117, 97,  
117) }
```

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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