

Converting Colors

$Y_{xy}(12.1767, 0.3404, 0.3530)$

Have a look what the booklet for
Yxy(12.1767, 0.3404, 0.3530)
contains.

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Color

Yxy(12.2245, 0.3410, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	696156
RGB	105, 97, 86
RGB Percent	41%, 38%, 34%
CMY	0.5882, 0.6196, 0.6627
CMYK	0.00, 0.08, 0.18, 0.59
HSL	35°, 10%, 37%
HSV	35°, 18%, 41%
XYZ	11.7822, 12.2245, 10.5453
YIQ	98.1380, 8.2990, -1.7250

Conversions

Conversions Part 2

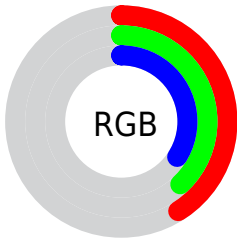
Format	Color
R_{YB}	100, 105, 86
Decimal	6906198
CIE Lab	41.57, 1.16, 7.41
CIE LCh	42, 7.503, 81.133
Yxy	12.2245, 0.3410, 0.3538
Android (android.graphics.Color)	4285096278 (0xFF696156)
YUV	98.1380, -5.9840, 6.0180
Hunter-Lab	34.9636, -1.0342, 6.5922

Details

The Yxy color **12.2245, 0.3410, 0.3538** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0117, 0.2860, 0.3029**, and the grayscale version is **12.2649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0253, 0.3329, 0.3477**, and **3.4273, 0.3564, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **11.2713, 0.3591, 0.3682**, and if you desaturate by 10%, it is **13.2495, 0.3247, 0.3398**.

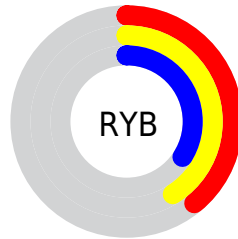
Distribution



Red (41%)

Green (38%)

Blue (34%)



Red (39%)

Yellow (41%)

Blue (34%)

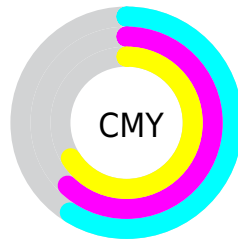


Cyan (0%)

Magenta (8%)

Yellow (18%)

Black (59%)



Cyan (59%)

Magenta (62%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2245, 0.3410, 0.3538 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 12.2245, 0.3410, 0.3538 by changing the saturation by 10% instead.

■ 12.2245, 0.3410,
0.3538

■ 12.2245, 0.3410,
0.3538

■ 205.8859, 0.3237,
0.3387

■ 6.8968, 0.3470,
0.3589

■ 29.9033, 0.3337,
0.3475

■ 3.3976, 0.3560,
0.3667

■ 43.0232, 0.3313,
0.3454

■ 1.3427, 0.3719,
0.3800

■ 59.5093, 0.3294,
0.3437

■ 0.1739, 0.5267,
0.4733

■ 79.7459, 0.3278,
0.3423

■ 0.0000, 0.0000,
0.0000

■ 104.1175, 0.3265,
0.3412

133.0084, 0.3255,

0.3403

166.8031, 0.3245,
0.3395

■ 12.2245, 0.3410,
0.3538

■ 12.2245, 0.3410,
0.3538

■ 11.2713, 0.3591,
0.3682

■ 13.2495, 0.3247,
0.3398

■ 10.3865, 0.3790,
0.3828

■ 14.3463, 0.3101,
0.3265

■ 9.5686, 0.4003,
0.3968

■ 15.5173, 0.2971,
0.3141

■ 8.8156, 0.4228,
0.4097

■ 16.7640, 0.2856,
0.3025

■ 8.1254, 0.4456,
0.4204

■ 18.0879, 0.2754,
0.2918

■ 7.4955, 0.4679,
0.4279

■ 19.4906, 0.2663,
0.2819

■ 6.9235, 0.4886,
0.4313

■ 20.9735, 0.2583,
0.2728

■ 6.4022, 0.5080,
0.4316

■ 22.5379, 0.2512,
0.2645

■ 6.3077, 0.5119,
0.4317

■ 24.1853, 0.2448,
0.2569

Harmonies

Analogous

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



12.2245, 0.3452, 0.3433



12.2245, 0.3410, 0.3538



12.2245, 0.3292, 0.3579

Triad

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



12.2245, 0.3410, 0.3538



12.2245, 0.2858, 0.3276



12.2245, 0.3116, 0.3058

Complementary

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



12.2245, 0.3410, 0.3538



11.0117, 0.2860, 0.3029

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.



12.2245, 0.2960, 0.3014



12.2245, 0.3410, 0.3538



12.2245, 0.2813, 0.3135

Square

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



12.2245, 0.3410, 0.3538



12.2245, 0.2973, 0.3426



12.2245, 0.2850, 0.3041



12.2245, 0.3280, 0.3159

Rectangle

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



12.2245, 0.3410, 0.3538



12.2245, 0.3187, 0.3561



12.2245, 0.2850, 0.3041



12.2245, 0.3061, 0.3036

Sweetspot

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



12.2250, 0.3410, 0.3538



24.2816, 0.3202, 0.3358



10.4748, 0.3316, 0.3104



5.6650, 0.3209, 0.3365



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.2250, 0.3410, 0.3538



21.0920, 0.3490, 0.3603



13.7077, 0.3362, 0.3713



3.3799, 0.3260, 0.3410



7.9095, 0.5134, 0.4306



38.5558, 0.5202, 0.4252

Inverse Universe

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



11.0117, 0.2860, 0.3029



18.4577, 0.2789, 0.2956



9.7178, 0.2869, 0.2835



3.2157, 0.2997, 0.3167



3.5324, 0.1722, 0.1399



16.3530, 0.1694, 0.1298

Previews

White Background



This preview shows how the Yxy color 12.2245, 0.3410, 0.3538 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 12.2245, 0.3410, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

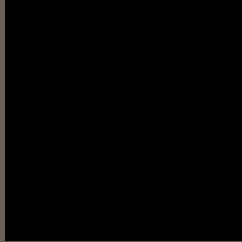
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2245, 0.3410, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 12.2245, 0.3410, 0.3538.



This preview shows how white text looks on a background with the Yxy color 12.2245, 0.3410, 0.3538.

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

12.2245, 0.3410, 0.3538

Protanopia

12.2908, 0.3375, 0.3563

Deuteranopia

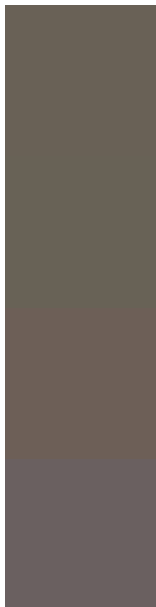
12.1383, 0.3519, 0.3444



Tritanopia

12.2695, 0.3211, 0.3138

Trichromacy



Original Color

12.2245, 0.3410, 0.3538

Protanomaly

12.3503, 0.3390, 0.3562

Deuteranomaly

12.1237, 0.3466, 0.3468

Tritanomaly

12.2744, 0.3281, 0.3290

Monochromacy



Original Color

12.2245, 0.3410, 0.3538

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.3102, 0.3228, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2245, 0.3410, 0.3538 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(105, 97, 86)` looks like.

```
.text, #text, p{  
  color:rgb(105, 97, 86)  
}
```

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(105, 97, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 97, 86) }
```

Border

The CSS property to change the border of an element to Yxy 12.2245, 0.3410, 0.3538 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(105, 97, 86) }
```

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

```
.border{ border-color:rgb(105, 97, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 97, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 97, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 97, 86);  
box-shadow:4px 4px 4px 4px rgb(105, 97,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2245, 0.3410, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 97, 86) }
```

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

```
.background{ background-color: rgb(105, 97,  
86) }
```

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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