

Converting Colors

$Y_{xy}(13.3086, 0.2650, 0.3670)$

Have a look what the booklet for
Yxy(13.3086, 0.2650, 0.3670)
contains.

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Color

Yxy(13.3213, 0.2653, 0.3666)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 397061 |
| RGB | 57, 112, 97 |
| RGB Percent | 22%, 44%, 38% |
| CMY | 0.7764, 0.5608, 0.6196 |
| CMYK | 0.49, 0.00, 0.13, 0.56 |
| HSL | 164°, 33%, 33% |
| HSV | 164°, 49%, 44% |
| XYZ | 9.6403, 13.3213, 13.3758 |
| YIQ | 93.8450, -27.9650, -16.3250 |

Conversions

Conversions Part 2

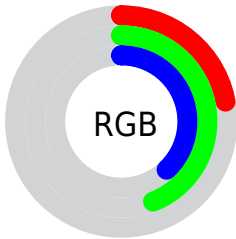
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 57, 89, 112 |
| Decimal | 3764321 |
| CIE _{Lab} | 43.24, -22.18, 2.72 |
| CIE _{LCh} | 43, 22.348, 173.005 |
| Yxy | 13.3213, 0.2653, 0.3666 |
| Android (android.graphics.Color) | 4281954401 (0xFF397061) |
| YUV | 93.8450, 1.5554, -32.3131 |
| Hunter-Lab | 36.4984, -16.7249, 3.8204 |

Details

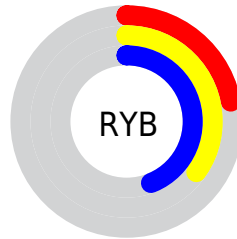
The Yxy color **13.3213, 0.2653, 0.3666** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8404, 0.4030, 0.2959**, and the grayscale version is **11.1575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8772, 0.2770, 0.3560**, and **3.9058, 0.2408, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **12.9722, 0.2587, 0.3758**, and if you desaturate by 10%, it is **13.7463, 0.2732, 0.3578**.

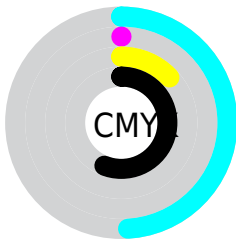
Distribution



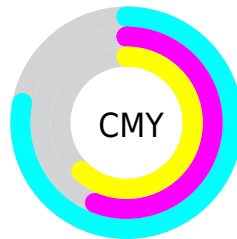
- Red (22%)
- Green (44%)
- Blue (38%)



- Red (22%)
- Yellow (35%)
- Blue (44%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (56%)





- Cyan (78%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3213, 0.2653, 0.3666 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 13.3213, 0.2653, 0.3666 by changing the saturation by 10% instead.


 13.3213, 0.2653,
0.3666


 13.3213, 0.2653,
0.3666


 212.9667, 0.2940,
0.3436


 7.6502, 0.2556,
0.3745


 31.8798, 0.2773,
0.3569


 3.8719, 0.2411,
0.3867

 45.5360, 0.2813,
0.3537


 1.6022, 0.2167,
0.4076

 62.6226, 0.2845,
0.3511

 0.3591, 0.0000,
0.6415

 83.5241, 0.2871,
0.3491

 0.0000, 0.0000,
0.0000

 108.6249, 0.2892,
0.3474

 138.3093, 0.2911,

0.3459

172.9618, 0.2926,
0.3447

■ 13.3213, 0.2653,
0.3666

■ 13.3213, 0.2653,
0.3666

■ 12.9722, 0.2587,
0.3758

■ 13.7463, 0.2732,
0.3578

■ 12.6926, 0.2538,
0.3853

■ 14.2500, 0.2823,
0.3496

■ 12.4775, 0.2505,
0.3951


■ 14.8370, 0.2922,
0.3419


■ 12.3207, 0.2491,
0.4048

■ 15.5111, 0.3028,
0.3349

■ 12.2002, 0.2488,
0.4146

■ 16.2759, 0.3137,
0.3284

 12.1894, 0.2488,
0.4155

 17.1347, 0.3249,
0.3227

 18.0907, 0.3360,
0.3175

 19.1468, 0.3471,
0.3129

 20.3061, 0.3579,
0.3089

Harmonies

Analogous

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



13.3213, 0.3087, 0.4036



13.3213, 0.2653, 0.3666



13.3213, 0.2359, 0.3193

Triad

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



13.3213, 0.2653, 0.3666



13.3213, 0.2669, 0.2538



13.3213, 0.4075, 0.3676

Complementary

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



13.3213, 0.2653, 0.3666



6.8404, 0.4030, 0.2959

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.



13.3213, 0.3955, 0.3298



13.3213, 0.2653, 0.3666



13.3213, 0.3111, 0.2672

Square

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



13.3213, 0.2653, 0.3666



13.3213, 0.2370, 0.2575



13.3213, 0.3591, 0.2942



13.3213, 0.3919, 0.3994

Rectangle

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



13.3213, 0.2653, 0.3666



13.3213, 0.2271, 0.2914



13.3213, 0.3591, 0.2942



13.3213, 0.4067, 0.3552

Sweetspot

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



13.3218, 0.2653, 0.3666



26.4854, 0.2961, 0.3392



13.2844, 0.3247, 0.4664



6.3178, 0.2944, 0.3404



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.



13.3218, 0.2653, 0.3666



22.7106, 0.2579, 0.3772



11.1710, 0.2457, 0.2991



3.8004, 0.3029, 0.3348



14.0881, 0.2490, 0.4162



70.0286, 0.2505, 0.4216

Inverse Universe

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



6.8404, 0.4030, 0.2959



9.8649, 0.4373, 0.2897



7.9878, 0.4253, 0.3559



3.4151, 0.3236, 0.3233



4.0903, 0.5765, 0.2950



20.2480, 0.5900, 0.3024

Previews

White Background



This preview shows how the Yxy color 13.3213, 0.2653, 0.3666 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 13.3213, 0.2653, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

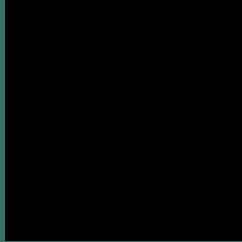
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3213, 0.2653, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 13.3213, 0.2653, 0.3666.



This preview shows how white text looks on a background with the Yxy color 13.3213, 0.2653, 0.3666.

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

13.3213, 0.2653, 0.3666

Protanopia

13.1269, 0.3340, 0.3511

Deuteranopia

13.1002, 0.3310, 0.3248



Tritanopia

13.3020, 0.2496, 0.3077

Trichromacy



Original Color

13.3213, 0.2653, 0.3666

Protanomaly

12.9682, 0.3045, 0.3573

Deuteranomaly

12.8767, 0.3025, 0.3382

Tritanomaly

13.2697, 0.2556, 0.3288

Monochromacy



Original Color

13.3213, 0.2653, 0.3666

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.8829, 0.2924, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3213, 0.2653, 0.3666 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(57, 112, 97)` looks like.

```
.text, #text, p{  
    color:rgb(57, 112, 97)  
}
```

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(57, 112, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 112, 97) }
```

Border

The CSS property to change the border of an element to Yxy 13.3213, 0.2653, 0.3666 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(57, 112, 97) }
```

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

```
.border{ border-color:rgb(57, 112, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 112, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 112, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 112, 97);  
box-shadow:4px 4px 4px 4px rgb(57, 112,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3213, 0.2653, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 112, 97) }
```

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

```
.background{ background-color: rgb(57, 112,  
97) }
```

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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