

Converting Colors

$Y_{xy}(12.7555, 0.2651, 0.3683)$

Have a look what the booklet for
Yxy(12.7555, 0.2651, 0.3683)
contains.

Yxy(12.7903, 0.2647, 0.3674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(12.7903, 0.2647, 0.3674)$

Conversions

Conversions Part 1

Format	Color
Hex	376E5F
RGB	55, 110, 95
RGB Percent	22%, 43%, 37%
CMY	0.7845, 0.5686, 0.6275
CMYK	0.50, 0.00, 0.14, 0.57
HSL	164°, 33%, 32%
HSV	164°, 50%, 43%
XYZ	9.2150, 12.7903, 12.8077
YIQ	91.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

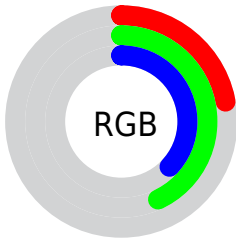
Format	Color
RYB	55, 87, 110
Decimal	3632735
CIELab	42.45, -22.22, 2.77
CIELCh	42, 22.396, 172.885
Yxy	12.7903, 0.2647, 0.3674
Android (android.graphics.Color)	4281822815 (0xFF376E5F)
YUV	91.8450, 1.5554, -32.3131
Hunter-Lab	35.7635, -16.5930, 3.8014

Details

The Yxy color **12.7903, 0.2647, 0.3674** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.4859, 0.4053, 0.2954**, and the grayscale version is **10.6640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9492, 0.2774, 0.3581**, and **3.6670, 0.2413, 0.3886** is the 20% darker color. If you saturate the color by 10%, you get **12.4608, 0.2583, 0.3766**, and if you desaturate by 10%, it is **13.1922, 0.2725, 0.3586**.

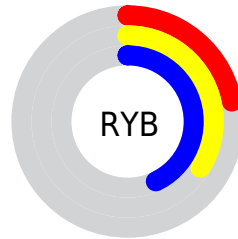
Distribution



Red (22%)

Green (43%)

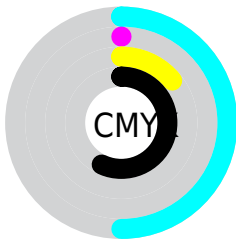
Blue (37%)



Red (22%)

Yellow (34%)

Blue (43%)

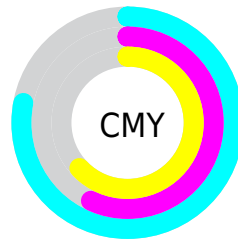


Cyan (50%)

Magenta (0%)

Yellow (14%)

Black (57%)



Cyan (78%)


Magenta (57%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7903, 0.2647, 0.3674 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 12.7903, 0.2647, 0.3674 by changing the saturation by 10% instead.


 12.7903, 0.2647,
0.3674


 12.7903, 0.2647,
0.3674


 209.5693, 0.2939,
0.3438

 7.2843, 0.2547,
0.3756


 30.9265, 0.2770,
0.3574

 3.6405, 0.2397,
0.3884

 44.3256, 0.2811,
0.3541

 1.4746, 0.2137,
0.4108

 61.1244, 0.2843,
0.3515

 0.2707, 0.0000,
0.7286

 81.7074, 0.2869,
0.3494

 0.0000, 0.0000,
0.0000

 106.4590, 0.2891,
0.3476

 135.7636, 0.2910,

0.3461

170.0056, 0.2925,
0.3449

■ 12.7903, 0.2647,
0.3674

■ 12.7903, 0.2647,
0.3674

■ 12.4608, 0.2583,
0.3766

■ 13.1922, 0.2725,
0.3586

■ 12.1974, 0.2535,
0.3862

■ 13.6693, 0.2815,
0.3503

■ 11.9955, 0.2504,
0.3959

■ 14.2258, 0.2913,
0.3426

■ 11.8489, 0.2491,
0.4057

■ 14.8656, 0.3018,
0.3355

■ 11.7329, 0.2487,
0.4154

■ 15.5920, 0.3127,
0.3290

■ 16.4082, 0.3238,
0.3232

■ 17.3172, 0.3349,
0.3180

■ 18.3221, 0.3459,
0.3133

■ 19.4255, 0.3568,
0.3092

Harmonies

Analogous

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



12.7903, 0.3087, 0.4050



12.7903, 0.2647, 0.3674



12.7903, 0.2349, 0.3193

Triad

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



12.7903, 0.2647, 0.3674



12.7903, 0.2660, 0.2528



12.7903, 0.4090, 0.3679

Complementary

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



12.7903, 0.2647, 0.3674



6.4859, 0.4053, 0.2954

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.



12.7903, 0.3967, 0.3296



12.7903, 0.2647, 0.3674



12.7903, 0.3108, 0.2663

Square

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



12.7903, 0.2647, 0.3674



12.7903, 0.2358, 0.2565



12.7903, 0.3596, 0.2936



12.7903, 0.3932, 0.4003

Rectangle

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



12.7903, 0.2647, 0.3674



12.7903, 0.2259, 0.2909



12.7903, 0.3596, 0.2936



12.7903, 0.4081, 0.3553

Sweetspot

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



12.7908, 0.2647, 0.3674



25.4823, 0.2961, 0.3392



12.7520, 0.3248, 0.4690



5.8896, 0.2945, 0.3403



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.



12.7908, 0.2647, 0.3674



21.8006, 0.2574, 0.3781



10.6875, 0.2447, 0.2985



3.8004, 0.3029, 0.3348



14.0876, 0.2490, 0.4163



70.0263, 0.2505, 0.4217

Inverse Universe

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



6.4859, 0.4053, 0.2954



9.3464, 0.4403, 0.2892



7.5918, 0.4281, 0.3563



3.4151, 0.3236, 0.3233



4.0904, 0.5764, 0.2949



20.2487, 0.5900, 0.3024

Previews

White Background



This preview shows how the Yxy color 12.7903, 0.2647, 0.3674 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 12.7903, 0.2647, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

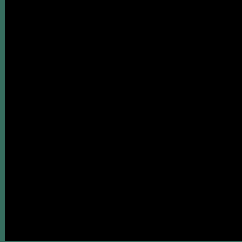
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7903, 0.2647, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 12.7903, 0.2647, 0.3674.



This preview shows how white text looks on a background with the Yxy color 12.7903, 0.2647, 0.3674.

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

12.7903, 0.2647, 0.3674

Protanopia

12.5880, 0.3344, 0.3515

Deuteranopia

12.5626, 0.3313, 0.3247



Tritanopia

12.7684, 0.2488, 0.3073

Trichromacy



Original Color

12.7903, 0.2647, 0.3674

Protanomaly

12.4343, 0.3043, 0.3578

Deuteranomaly

12.3441, 0.3023, 0.3384

Tritanomaly

12.7376, 0.2549, 0.3288

Monochromacy



Original Color

12.7903, 0.2647, 0.3674

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3763, 0.2921, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7903, 0.2647, 0.3674 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(55, 110, 95)` looks like.

```
.text, #text, p{  
    color:rgb(55, 110, 95)  
}
```

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(55, 110, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 110, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.7903, 0.2647, 0.3674 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(55, 110, 95) }
```

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

```
.border{ border-color:rgb(55, 110, 95) }
```

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

Here you see how a box with a 4 pixel rgb(55, 110, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 110, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 110, 95);  
box-shadow:4px 4px 4px 4px rgb(55, 110,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7903, 0.2647, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 110, 95) }
```

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

```
.background{ background-color: rgb(55, 110,  
95) }
```

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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