

Converting Colors

$Y_{xy}(13.0689, 0.2745, 0.3542)$

Have a look what the booklet for
Yxy(13.0689, 0.2745, 0.3542)
contains.

Yxy(13.1033, 0.2744, 0.3534)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1033, 0.2744, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	456D63
RGB	69, 109, 99
RGB Percent	27%, 43%, 39%
CMY	0.7295, 0.5725, 0.6117
CMYK	0.37, 0.00, 0.09, 0.57
HSL	165°, 22%, 35%
HSV	165°, 37%, 43%
XYZ	10.1742, 13.1033, 13.8004
YIQ	95.9000, -20.6300, -11.5900

Conversions

Conversions Part 2

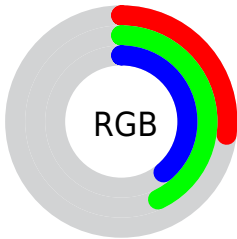
Format	Color
R_{YB}	69, 92, 109
Decimal	4549987
CIE _{Lab}	42.92, -16.55, 1.12
CIE _{LCh}	43, 16.592, 176.128
Yxy	13.1033, 0.2744, 0.3534
Android (android.graphics.Color)	4282740067 (0xFF456D63)
YUV	95.9000, 1.5283, -23.5913
Hunter-Lab	36.1985, -13.1771, 2.7351

Details

The Yxy color **13.1033, 0.2744, 0.3534** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.0690, 0.3737, 0.3063**, and the grayscale version is **11.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6137, 0.2839, 0.3472**, and **3.7540, 0.2537, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **12.6901, 0.2660, 0.3613**, and if you desaturate by 10%, it is **13.5925, 0.2839, 0.3460**.

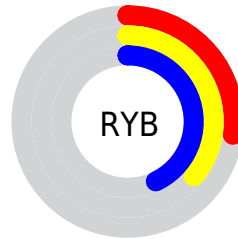
Distribution



 Red (27%)

 Green (43%)

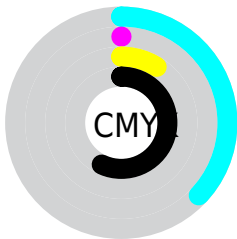
 Blue (39%)



 Red (27%)

 Yellow (36%)

 Blue (43%)

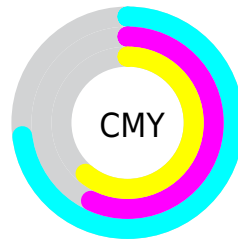


 Cyan (37%)


 Magenta (0%)

 Yellow (9%)

 Black (57%)



 Cyan (73%)

 Magenta (57%)

 Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1033, 0.2744, 0.3534 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 13.1033, 0.2744, 0.3534 by changing the saturation by 10% instead.

■ 13.1033, 0.2744,
0.3534

■ 13.1033, 0.2744,
0.3534

■ 211.5786, 0.2976,
0.3386

■ 7.4997, 0.2666,
0.3585

■ 31.4892, 0.2841,
0.3472

■ 3.7765, 0.2548,
0.3661

■ 45.0404, 0.2873,
0.3451

■ 1.5494, 0.2351,
0.3792

■ 62.0095, 0.2899,
0.3435

■ 0.3231, 0.0000,
0.5416

■ 82.7810, 0.2920,
0.3421

■ 0.0000, 0.0000,
0.0000

■ 107.7393, 0.2937,
0.3410

137.2687, 0.2952,

0.3401

171.7537, 0.2965,
0.3393

■ 13.1033, 0.2744,
0.3534

■ 13.1033, 0.2744,
0.3534

■ 12.6901, 0.2660,
0.3613

■ 13.5925, 0.2839,
0.3460

■ 12.3474, 0.2589,
0.3695

■ 14.1600, 0.2942,
0.3392

■ 12.0712, 0.2533,
0.3781

■ 14.8096, 0.3052,
0.3329

■ 11.8566, 0.2495,
0.3869

■ 15.5448, 0.3164,
0.3272

■ 11.6979, 0.2474,
0.3957

■ 16.3684, 0.3279,
0.3221

■ 11.5811, 0.2467,
0.4045

■ 17.2836, 0.3394,
0.3175

■ 11.5444, 0.2465,
0.4075

■ 18.2931, 0.3507,
0.3134

■ 19.3995, 0.3617,
0.3098

■ 20.6054, 0.3725,
0.3066

Harmonies

Analogous

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



13.1033, 0.3067, 0.3814



13.1033, 0.2744, 0.3534



13.1033, 0.2530, 0.3191

Triad

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



13.1033, 0.2744, 0.3534



13.1033, 0.2815, 0.2720



13.1033, 0.3832, 0.3621

Complementary

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



13.1033, 0.2744, 0.3534



8.0690, 0.3737, 0.3063

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.



13.1033, 0.3761, 0.3335



13.1033, 0.2744, 0.3534



13.1033, 0.3157, 0.2835

Square

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



13.1033, 0.2744, 0.3534



13.1033, 0.2569, 0.2739



13.1033, 0.3509, 0.3054



13.1033, 0.3702, 0.3844

Rectangle

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



13.1033, 0.2744, 0.3534



13.1033, 0.2471, 0.2987



13.1033, 0.3509, 0.3054



13.1033, 0.3831, 0.3530

Sweetspot

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



13.1038, 0.2744, 0.3534



25.9646, 0.3001, 0.3357



13.0293, 0.3210, 0.4283



6.0162, 0.2990, 0.3363



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.



13.1038, 0.2744, 0.3534



22.8243, 0.2672, 0.3601



11.2919, 0.2607, 0.3043



3.4796, 0.3027, 0.3342



13.4975, 0.2467, 0.4082



68.6316, 0.2481, 0.4132

Inverse Universe

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



8.0690, 0.3737, 0.3063



12.3926, 0.3949, 0.3010



9.2705, 0.3865, 0.3521



3.1280, 0.3238, 0.3238



3.8928, 0.5836, 0.2988



19.7146, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 13.1033, 0.2744, 0.3534 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 13.1033, 0.2744, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

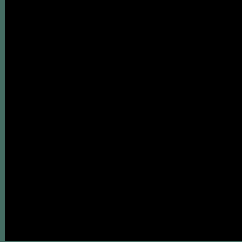
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

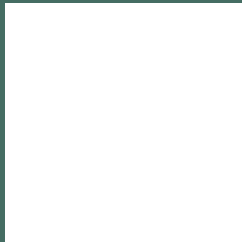
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1033, 0.2744, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 13.1033, 0.2744, 0.3534.



This preview shows how white text looks on a background with the Yxy color 13.1033, 0.2744, 0.3534.

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

13.1033, 0.2744, 0.3534

Protanopia

13.0586, 0.3267, 0.3446

Deuteranopia

12.9899, 0.3265, 0.3226



Tritanopia

13.1697, 0.2615, 0.3103

Trichromacy



Original Color

13.1033, 0.2744, 0.3534

Protanomaly

12.9693, 0.3049, 0.3476

Deuteranomaly

12.8557, 0.3054, 0.3335

Tritanomaly

13.2070, 0.2669, 0.3265

Monochromacy



Original Color

13.1033, 0.2744, 0.3534

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1489, 0.2967, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1033, 0.2744, 0.3534 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(69, 109, 99)` looks like.

```
.text, #text, p{  
  color:rgb(69, 109, 99)  
}
```

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(69, 109, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 109, 99) }
```

Border

The CSS property to change the border of an element to Yxy 13.1033, 0.2744, 0.3534 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(69, 109, 99) }
```

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

```
.border{ border-color:rgb(69, 109, 99) }
```

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

Here you see how a box with a 4 pixel rgb(69, 109, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 109, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 109, 99);  
box-shadow:4px 4px 4px 4px rgb(69, 109,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1033, 0.2744, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 109, 99) }
```

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

```
.background{ background-color: rgb(69, 109,  
99) }
```

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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