

Converting Colors

$Y_{xy}(11.6964, 0.3013, 0.4048)$

Have a look what the booklet for
Yxy(11.6964, 0.3013, 0.4048)
contains.

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Color

Yxy(11.6738, 0.3012, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	45684B
RGB	69, 104, 75
RGB Percent	27%, 41%, 29%
CMY	0.7294, 0.5922, 0.7059
CMYK	0.34, 0.00, 0.28, 0.59
HSL	130°, 20%, 34%
HSV	130°, 34%, 41%
XYZ	8.6754, 11.6738, 8.4536
YIQ	90.2290, -11.5510, -16.4390

Conversions

Conversions Part 2

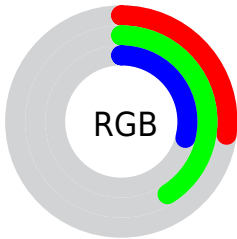
Format	Color
R_{YB}	69, 99, 104
Decimal	4548683
CIE _{Lab}	40.69, -19.24, 12.43
CIE _{LCh}	41, 22.905, 147.149
Yxy	11.6738, 0.3012, 0.4053
Android (android.graphics.Color)	4282738763 (0xFF45684B)
YUV	90.2290, -7.5079, -18.6178
Hunter-Lab	34.1669, -14.4687, 9.2472

Details

The Yxy color **11.6738, 0.3012, 0.4053** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.0830, 0.3270, 0.2632**, and the grayscale version is **10.2985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7495, 0.3044, 0.3834**, and **3.2073, 0.2916, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **11.2165, 0.2981, 0.4328**, and if you desaturate by 10%, it is **12.2148, 0.3045, 0.3798**.

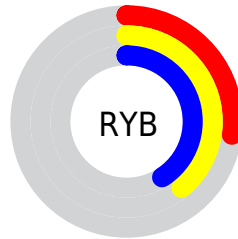
Distribution



Red (27%)

Green (41%)

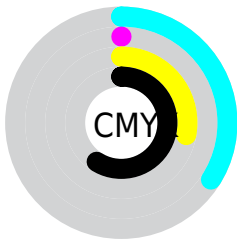
Blue (29%)



Red (27%)

Yellow (39%)

Blue (41%)

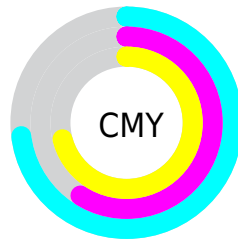


Cyan (34%)

Magenta (0%)

Yellow (28%)

Black (59%)



Cyan (73%)

Magenta (59%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6738, 0.3012, 0.4053 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 11.6738, 0.3012, 0.4053 by changing the saturation by 10% instead.

■ 11.6738, 0.3012,
0.4053

■ 11.6738, 0.3012,
0.4053

202.2336, 0.3091,
0.3568

■ 6.5220, 0.2977,
0.4234

■ 28.8996, 0.3049,
0.3841

■ 3.1650, 0.2915,
0.4527

■ 41.7423, 0.3060,
0.3773

■ 1.2185, 0.2857,
0.5311

■ 57.9175, 0.3069,
0.3720

■ 0.0767, 0.0000,
1.0000

■ 77.8095, 0.3075,
0.3678

■ 0.0000, 0.0000,
0.0000

■ 101.8027, 0.3080,
0.3643

130.2816, 0.3085,

0.3614

163.6304, 0.3088,
0.3590

■ 11.6738, 0.3012,
0.4053

■ 11.6738, 0.3012,
0.4053

■ 11.2165, 0.2981,
0.4328

■ 12.2148, 0.3045,
0.3798

■ 10.8372, 0.2955,
0.4617

■ 12.8418, 0.3080,
0.3566

■ 10.5320, 0.2936,
0.4909

■ 13.5589, 0.3115,
0.3359


■ 10.2960, 0.2926,
0.5190


■ 14.3695, 0.3148,
0.3176

■ 10.1236, 0.2927,
0.5445


■ 15.2768, 0.3181,
0.3016


 10.0062, 0.2936,
0.5659

 16.2839, 0.3211,
0.2875

 9.9435, 0.2937,
0.5775

 17.3936, 0.3240,
0.2753

 18.6088, 0.3266,
0.2646

 19.9321, 0.3291,
0.2553

Harmonies

Analogous

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



11.6738, 0.3512, 0.4213



11.6738, 0.3012, 0.4053



11.6738, 0.2565, 0.3625

Triad

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



11.6738, 0.3012, 0.4053



11.6738, 0.2353, 0.2510



11.6738, 0.4050, 0.3351

Complementary

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



11.6738, 0.3012, 0.4053



8.0830, 0.3270, 0.2632

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.



11.6738, 0.3688, 0.2967



11.6738, 0.3012, 0.4053



11.6738, 0.2695, 0.2500

Square

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



11.6738, 0.3012, 0.4053



11.6738, 0.2209, 0.2718



11.6738, 0.3180, 0.2665



11.6738, 0.4136, 0.3750

Rectangle

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



11.6738, 0.3012, 0.4053



11.6738, 0.2353, 0.3281



11.6738, 0.3180, 0.2665



11.6738, 0.3956, 0.3218

Sweetspot

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



11.6743, 0.3012, 0.4053



22.9348, 0.3092, 0.3494



12.9364, 0.3511, 0.4099



5.5647, 0.3088, 0.3516



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.



11.6743, 0.3012, 0.4053



19.8673, 0.2989, 0.4257



11.9448, 0.2807, 0.3586



3.1496, 0.3097, 0.3465



12.2538, 0.2942, 0.5790



63.8167, 0.2962, 0.5865

Inverse Universe

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



8.0830, 0.3270, 0.2632



12.5651, 0.3309, 0.2486



7.7903, 0.3604, 0.3015



2.8814, 0.3159, 0.3121



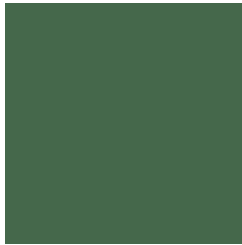
4.4559, 0.3673, 0.1797



23.1272, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 11.6738, 0.3012, 0.4053 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 11.6738, 0.3012, 0.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

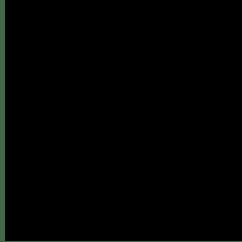
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6738, 0.3012, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 11.6738, 0.3012, 0.4053.



This preview shows how white text looks on a background with the Yxy color 11.6738, 0.3012, 0.4053.

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

11.6738, 0.3012, 0.4053

Protanopia

11.4641, 0.3596, 0.3849

Deuteranopia

11.5839, 0.3655, 0.3601



Tritanopia

11.6929, 0.2692, 0.3096

Trichromacy



Original Color

11.6738, 0.3012, 0.4053

Protanomaly

11.3769, 0.3370, 0.3931

Deuteranomaly

11.3884, 0.3402, 0.3745

Tritanomaly

11.5684, 0.2808, 0.3415

Monochromacy



Original Color

11.6738, 0.3012, 0.4053

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6341, 0.3070, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6738, 0.3012, 0.4053 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, 104, 75)` looks like.

```
.text, #text, p{  
    color:rgb(69, 104, 75)  
}
```

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, 104, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 104, 75) }
```

Border

The CSS property to change the border of an element to Yxy 11.6738, 0.3012, 0.4053 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, 104, 75) }
```

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

```
.border{ border-color:rgb(69, 104, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 104, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 104, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 104, 75);  
box-shadow:4px 4px 4px 4px rgb(69, 104,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6738, 0.3012, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 104, 75) }
```

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

```
.background{ background-color: rgb(69, 104,  
75) }
```

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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