

Converting Colors

$Y_{xy}(10.3114, 0.3149, 0.3725)$

Have a look what the booklet for
Yxy(10.3114, 0.3149, 0.3725)
contains.

Yxy(10.2609, 0.3138, 0.3707)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2609, 0.3138, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	505E4E
RGB	80, 94, 78
RGB Percent	31%, 37%, 31%
CMY	0.6863, 0.6314, 0.6941
CMYK	0.15, 0.00, 0.17, 0.63
HSL	113°, 9%, 34%
HSV	113°, 17%, 37%
XYZ	8.6859, 10.2609, 8.7330
YIQ	87.9900, -3.2080, -7.9440

Conversions

Conversions Part 2

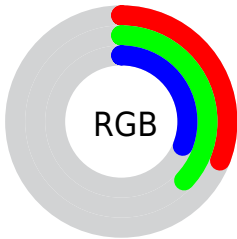
Format	Color
R_{YB}	78, 94, 92
Decimal	5267022
CIE Lab	38.31, -8.87, 7.38
CIE LCh	38, 11.537, 140.222
Yxy	10.2609, 0.3138, 0.3707
Android (android.graphics.Color)	4283457102 (0xFF505E4E)
YUV	87.9900, -4.9251, -7.0072
Hunter-Lab	32.0326, -7.6553, 6.2588

Details

The Yxy color **10.2609, 0.3138, 0.3707** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.5356, 0.3111, 0.2898**, and the grayscale version is **9.7681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1460, 0.3134, 0.3585**, and **2.5867, 0.3122, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **9.7991, 0.3142, 0.3988**, and if you desaturate by 10%, it is **10.7868, 0.3132, 0.3452**.

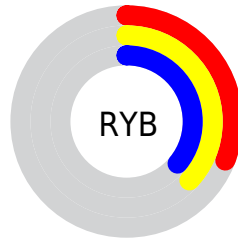
Distribution



Red (31%)

Green (37%)

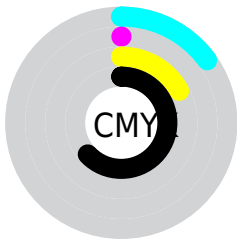
Blue (31%)



Red (31%)

Yellow (37%)

Blue (36%)

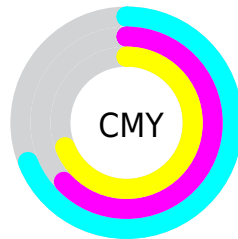


Cyan (15%)

Magenta (0%)

Yellow (17%)

Black (63%)



Cyan (69%)

Magenta (63%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2609, 0.3138, 0.3707 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 10.2609, 0.3138, 0.3707 by changing the saturation by 10% instead.

■ 10.2609, 0.3138,
0.3707

■ 10.2609, 0.3138,
0.3707

■ 192.5241, 0.3134,
0.3442

■ 5.5723, 0.3137,
0.3807

■ 26.2851, 0.3137,
0.3591

■ 2.5868, 0.3134,
0.3969

■ 38.3894, 0.3137,
0.3554

■ 0.9200, 0.3188,
0.4460

■ 53.7345, 0.3136,
0.3525

■ 0.0000, 0.0000,
0.0000

■ 72.7047, 0.3135,
0.3502

■ 95.6843, 0.3135,
0.3483

123.0578, 0.3135,

0.3467

155.2097, 0.3134,
0.3454

■ 10.2609, 0.3138,
0.3707

■ 10.2609, 0.3138,
0.3707

■ 9.7991, 0.3142,
0.3988

■ 10.7868, 0.3132,
0.3452

■ 9.3978, 0.3142,
0.4292

■ 11.3778, 0.3125,
0.3225

■ 9.0548, 0.3139,
0.4610

■ 12.0365, 0.3117,
0.3024

■ 8.7673, 0.3132,
0.4932

■ 12.7649, 0.3108,
0.2847

■ 8.5325, 0.3119,
0.5238

■ 13.5650, 0.3099,
0.2692

■ 8.3470, 0.3101,
0.5511

■ 14.4387, 0.3091,
0.2557

■ 8.2074, 0.3078,
0.5730

■ 15.3879, 0.3082,
0.2439

■ 8.1062, 0.3059,
0.5904

■ 16.4142, 0.3074,
0.2336

■ 8.0815, 0.3057,
0.5954

■ 17.5194, 0.3066,
0.2245

Harmonies

Analogous

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



10.2609, 0.3399, 0.3765



10.2609, 0.3138, 0.3707



10.2609, 0.2882, 0.3521

Triad

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



10.2609, 0.3138, 0.3707



10.2609, 0.2677, 0.2888



10.2609, 0.3576, 0.3285

Complementary

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



10.2609, 0.3138, 0.3707



8.5356, 0.3111, 0.2898

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.



10.2609, 0.3367, 0.3073



10.2609, 0.3138, 0.3707



10.2609, 0.2847, 0.2848

Square

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



10.2609, 0.3138, 0.3707



10.2609, 0.2623, 0.3038



10.2609, 0.3098, 0.2916



10.2609, 0.3659, 0.3507

Rectangle

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



10.2609, 0.3138, 0.3707



10.2609, 0.2747, 0.3355



10.2609, 0.3098, 0.2916



10.2609, 0.3518, 0.3211

Sweetspot

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



10.2613, 0.3138, 0.3707



19.0695, 0.3131, 0.3408



10.5621, 0.3370, 0.3629



4.5586, 0.3131, 0.3419



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.2613, 0.3138, 0.3707



17.6615, 0.3140, 0.3806



10.2644, 0.3026, 0.3553



2.5981, 0.3133, 0.3496



11.1664, 0.3049, 0.5961



60.9213, 0.3027, 0.5979

Inverse Universe

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



8.5356, 0.3111, 0.2898



14.0838, 0.3106, 0.2812



8.5375, 0.3244, 0.3041



2.3693, 0.3120, 0.3090



3.6098, 0.2913, 0.1379



19.5068, 0.2894, 0.1368

Previews

White Background



This preview shows how the Yxy color 10.2609, 0.3138, 0.3707 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 10.2609, 0.3138, 0.3707 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 10.2609, 0.3138, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 10.2609, 0.3138, 0.3707.

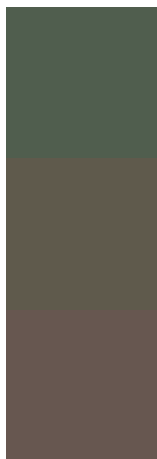


This preview shows how white text looks on a background with the Yxy color 10.2609, 0.3138, 0.3707.

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

10.2609, 0.3138, 0.3707

Protanopia

10.2670, 0.3426, 0.3634

Deuteranopia

10.2791, 0.3512, 0.3455



Tritanopia

10.2030, 0.2906, 0.3116

Trichromacy



Original Color

10.2609, 0.3138, 0.3707

Protanomaly

10.1917, 0.3322, 0.3642

Deuteranomaly

10.3097, 0.3378, 0.3559

Tritanomaly

10.2035, 0.2987, 0.3315

Monochromacy



Original Color

10.2609, 0.3138, 0.3707

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8837, 0.3136, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2609, 0.3138, 0.3707 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(80, 94, 78)` looks like.

```
.text, #text, p{  
    color:rgb(80, 94, 78)  
}
```

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(80, 94, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 94, 78) }
```

Border

The CSS property to change the border of an element to Yxy 10.2609, 0.3138, 0.3707 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(80, 94, 78) }
```

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

```
.border{ border-color:rgb(80, 94, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 94, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 94, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 94, 78);  
box-shadow:4px 4px 4px 4px rgb(80, 94, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2609, 0.3138, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 94, 78) }
```

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

```
.background{ background-color: rgb(80, 94,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor