

Converting Colors

$Y_{xy}(12.5357, 0.3205, 0.3161)$

Have a look what the booklet for
Yxy(12.5357, 0.3205, 0.3161)
contains.

Yxy(12.4509, 0.3209, 0.3160)	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

Yxy(12.4509, 0.3209, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	6B6066
RGB	107, 96, 102
RGB Percent	42%, 38%, 40%
CMY	0.5804, 0.6235, 0.6000
CMYK	0.00, 0.10, 0.05, 0.58
HSL	327°, 5%, 40%
HSV	327°, 10%, 42%
XYZ	12.6440, 12.4509, 14.3067
YIQ	99.9730, 4.6300, 4.1980

Conversions

Conversions Part 2

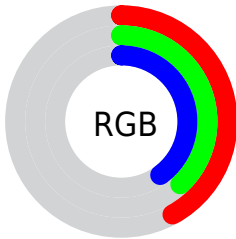
Format	Color
R_{YB}	107, 96, 102
Decimal	7037030
CIE _{Lab}	41.92, 5.57, -1.81
CIE _{LCh}	42, 5.856, 342.013
Yxy	12.4509, 0.3209, 0.3160
Android (android.graphics.Color)	4285227110 (0xFF6B6066)
YUV	99.9730, 0.9993, 6.1627
Hunter-Lab	35.2858, 2.2117, 0.6608

Details

The Yxy color **12.4509, 0.3209, 0.3160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9410, 0.3053, 0.3424**, and the grayscale version is **12.7334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1268, 0.3184, 0.3184**, and **3.5177, 0.3266, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **10.5363, 0.3304, 0.3027**, and if you desaturate by 10%, it is **14.6380, 0.3129, 0.3287**.

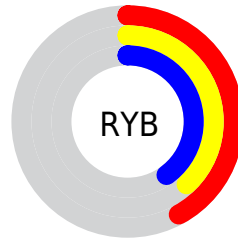
Distribution



Red (42%)

Green (38%)

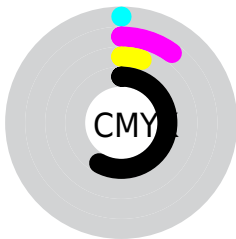
Blue (40%)



Red (42%)

Yellow (38%)

Blue (40%)

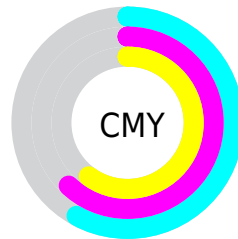


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (58%)



Cyan (58%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4509, 0.3209, 0.3160 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 12.4509, 0.3209, 0.3160 by changing the saturation by 10% instead.

■ 12.4509, 0.3209,
0.3160

■ 12.4509, 0.3209,
0.3160

■ 207.3679, 0.3160,
0.3239

■ 7.0515, 0.3226,
0.3133

■ 30.3137, 0.3188,
0.3193

■ 3.4944, 0.3251,
0.3093

■ 43.5459, 0.3181,
0.3204

■ 1.3949, 0.3294,
0.3026

■ 60.1579, 0.3176,
0.3213

■ 0.2130, 0.3720,
0.2341

■ 80.5341, 0.3171,
0.3220

■ 0.0000, 0.0000,
0.0000

■ 105.0587, 0.3168,
0.3226

■ 134.1163, 0.3165,

0.3231

168.0913, 0.3162,
0.3235

■ 12.4509, 0.3209,
0.3160

■ 12.4509, 0.3209,
0.3160

■ 10.5363, 0.3304,
0.3027

■ 14.6380, 0.3129,
0.3287

■ 8.8818, 0.3416,
0.2891

■ 17.1062, 0.3062,
0.3406

■ 7.4765, 0.3547,
0.2754

■ 19.8656, 0.3006,
0.3517

■ 6.3081, 0.3698,
0.2624

■ 22.9254, 0.2959,
0.3619

■ 5.3631, 0.3869,
0.2508

■ 26.2943, 0.2920,
0.3714

■ 4.6268, 0.4057,
0.2416

■ 29.9809, 0.2888,
0.3801

■ 4.0826, 0.4259,
0.2357

■ 33.9930, 0.2860,
0.3881

■ 3.7113, 0.4465,
0.2342

■ 38.3386, 0.2837,
0.3954

■ 3.4346, 0.4674,
0.2349

■ 43.0252, 0.2818,
0.4021

Harmonies

Analogous

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



12.4509, 0.3080, 0.3093



12.4509, 0.3209, 0.3160



12.4509, 0.3317, 0.3261

Triad

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



12.4509, 0.3209, 0.3160



12.4509, 0.3288, 0.3510



12.4509, 0.2886, 0.3201

Complementary

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



12.4509, 0.3209, 0.3160



13.9410, 0.3053, 0.3424

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.



12.4509, 0.2940, 0.3316



12.4509, 0.3209, 0.3160



12.4509, 0.3170, 0.3498

Square

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



12.4509, 0.3209, 0.3160



12.4509, 0.3363, 0.3463



12.4509, 0.3043, 0.3426



12.4509, 0.2896, 0.3114

Rectangle

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



12.4509, 0.3209, 0.3160



12.4509, 0.3362, 0.3335



12.4509, 0.3043, 0.3426



12.4509, 0.2898, 0.3238

Sweetspot

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



12.4514, 0.3209, 0.3160



25.0622, 0.3150, 0.3252



12.1920, 0.3049, 0.3047



5.9986, 0.3156, 0.3243



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.



12.4514, 0.3209, 0.3160



21.5499, 0.3227, 0.3133



12.3469, 0.3288, 0.3278



3.1418, 0.3198, 0.3177



4.1726, 0.4693, 0.2359



21.0841, 0.4801, 0.2418

Inverse Universe

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



12.4514, 0.3209, 0.3160



21.5499, 0.3227, 0.3133



14.0513, 0.2986, 0.3302



3.1418, 0.3198, 0.3177



4.1726, 0.4693, 0.2359



21.0841, 0.4801, 0.2418

Previews

White Background



This preview shows how the Yxy color 12.4509, 0.3209, 0.3160 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 12.4509, 0.3209, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

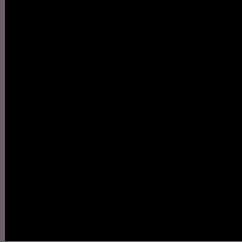
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4509, 0.3209, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 12.4509, 0.3209, 0.3160.



This preview shows how white text looks on a background with the Yxy color 12.4509, 0.3209, 0.3160.

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

12.4509, 0.3209, 0.3160

Protanopia

12.3673, 0.3074, 0.3178

Deuteranopia

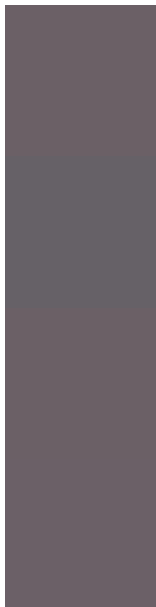
12.4509, 0.3209, 0.3160



Tritanopia

12.4708, 0.3195, 0.3138

Trichromacy



Original Color

12.4509, 0.3209, 0.3160

Protanomaly

12.3534, 0.3118, 0.3157

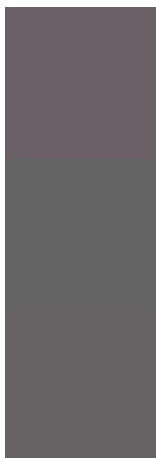
Deuteranomaly

12.4509, 0.3209, 0.3160

Tritanomaly

12.4708, 0.3195, 0.3138

Monochromacy



Original Color

12.4509, 0.3209, 0.3160

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7468, 0.3159, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4509, 0.3209, 0.3160 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(107, 96, 102)` looks like.

```
.text, #text, p{  
    color:rgb(107, 96, 102)  
}
```

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(107, 96, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 96, 102) }
```

Border

The CSS property to change the border of an element to Yxy 12.4509, 0.3209, 0.3160 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(107, 96, 102) }
```

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

```
.border{ border-color:rgb(107, 96, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 96, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 96, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 96, 102);  
box-shadow:4px 4px 4px 4px rgb(107, 96,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4509, 0.3209, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 96, 102) }
```

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

```
.background{ background-color: rgb(107, 96,  
102) }
```

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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