

Converting Colors

$Y_{xy}(12.0409, 0.3270, 0.3473)$

Have a look what the booklet for
Yxy(12.0409, 0.3270, 0.3473)
contains.

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Color

Yxy(11.9402, 0.3257, 0.3452)

Conversions

Conversions Part 1	
Format	Color
Hex	63615A
RGB	99, 97, 90
RGB Percent	39%, 38%, 35%
CMY	0.6118, 0.6196, 0.6471
CMYK	0.00, 0.02, 0.09, 0.61
HSL	47°, 5%, 37%
HSV	47°, 9%, 39%
XYZ	11.2657, 11.9402, 11.3833
YIQ	96.8000, 3.4390, -1.7530

Conversions

Conversions Part 2

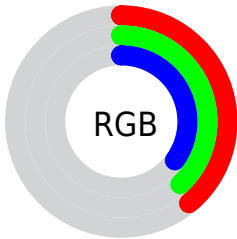
Format	Color
RYB	93, 99, 90
Decimal	6512986
CIELab	41.12, -0.60, 4.27
CIELCh	41, 4.309, 98.036
Yxy	11.9402, 0.3257, 0.3452
Android (android.graphics.Color)	4284703066 (0xFF63615A)
YUV	96.8000, -3.3524, 1.9294
Hunter-Lab	34.5546, -2.2748, 4.6563

Details

The Yxy color **11.9402, 0.3257, 0.3452** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7283, 0.2997, 0.3123**, and the grayscale version is **11.9104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5573, 0.3225, 0.3417**, and **3.2796, 0.3324, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **11.3826, 0.3410, 0.3637**, and if you desaturate by 10%, it is **12.5325, 0.3115, 0.3274**.

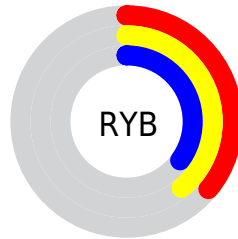
Distribution



Red (39%)

Green (38%)

Blue (35%)



Red (36%)

Yellow (39%)

Blue (35%)

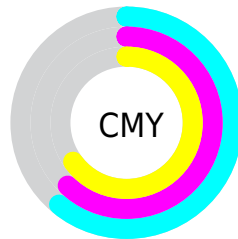


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (61%)



Cyan (61%)


Magenta (62%)

Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9402, 0.3257, 0.3452 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 11.9402, 0.3257, 0.3452 by changing the saturation by 10% instead.


 11.9402, 0.3257,
0.3452


 11.9402, 0.3257,
0.3452


 204.0090, 0.3178,
0.3353


 6.7030, 0.3284,
0.3487


 29.3861, 0.3223,
0.3410

 3.2770, 0.3327,
0.3540


 42.3637, 0.3212,
0.3396

 1.2780, 0.3399,
0.3632

 58.6900, 0.3204,
0.3385

 0.1241, 0.4541,
0.5459

 78.7497, 0.3196,
0.3376

 0.0000, 0.0000,
0.0000

 102.9270, 0.3191,
0.3369

131.6064, 0.3186,

0.3363

165.1723, 0.3181,
0.3357

■ 11.9402, 0.3257,
0.3452

■ 11.9402, 0.3257,
0.3452

■ 11.3826, 0.3410,
0.3637

■ 12.5325, 0.3115,
0.3274

■ 10.8573, 0.3572,
0.3825

■ 13.1590, 0.2984,
0.3106

■ 10.3636, 0.3740,
0.4012

■ 13.8210, 0.2864,
0.2948

■ 9.9006, 0.3910,
0.4191

■ 14.5193, 0.2755,
0.2801

■ 9.4670, 0.4077,
0.4354

■ 15.2548, 0.2657,
0.2666

■ 9.0615, 0.4235,
0.4492

■ 16.0283, 0.2568,
0.2541

■ 8.6828, 0.4378,
0.4598

■ 16.8404, 0.2489,
0.2427

■ 8.3291, 0.4498,
0.4665

■ 17.6919, 0.2417,
0.2322

■ 7.9935, 0.4608,
0.4710

■ 18.5836, 0.2352,
0.2227

Harmonies

Analogous

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



11.9402, 0.3307, 0.3412



11.9402, 0.3257, 0.3452



11.9402, 0.3172, 0.3448

Triad

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



11.9402, 0.3257, 0.3452



11.9402, 0.2950, 0.3235



11.9402, 0.3176, 0.3184

Complementary

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



11.9402, 0.3257, 0.3452



10.7283, 0.2997, 0.3123

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.



11.9402, 0.3080, 0.3138



11.9402, 0.3257, 0.3452



11.9402, 0.2950, 0.3166

Square

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



11.9402, 0.3257, 0.3452



11.9402, 0.2996, 0.3321



11.9402, 0.2998, 0.3131



11.9402, 0.3260, 0.3258

Rectangle

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



11.9402, 0.3257, 0.3452



11.9402, 0.3108, 0.3420



11.9402, 0.2998, 0.3131



11.9402, 0.3144, 0.3165

Sweetspot

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



11.9407, 0.3257, 0.3452



21.0862, 0.3170, 0.3344



10.7393, 0.3241, 0.3241



4.9961, 0.3179, 0.3356



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



11.9407, 0.3257, 0.3452



20.2658, 0.3290, 0.3493



12.1815, 0.3216, 0.3499



2.8814, 0.3253, 0.3448



10.3215, 0.4626, 0.4709



53.7955, 0.4658, 0.4684

Inverse Universe

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



10.7283, 0.2997, 0.3123



17.7146, 0.2963, 0.3079



10.5089, 0.3034, 0.3077



2.5964, 0.3000, 0.3127



1.8657, 0.1584, 0.0900



8.8393, 0.1559, 0.0812

Previews

White Background



This preview shows how the Yxy color 11.9402, 0.3257, 0.3452 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 11.9402, 0.3257, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

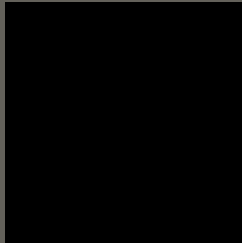
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

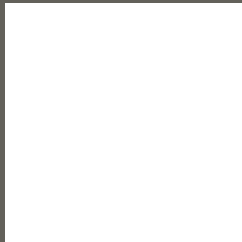
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.9402, 0.3257, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 11.9402, 0.3257, 0.3452.

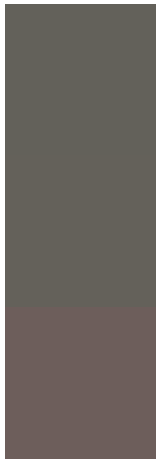


This preview shows how white text looks on a background with the Yxy color 11.9402, 0.3257, 0.3452.

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

11.9402, 0.3257, 0.3452

Protanopia

11.9969, 0.3272, 0.3451

Deuteranopia

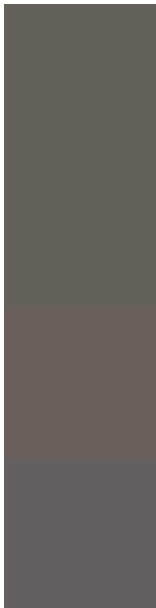
12.0119, 0.3409, 0.3357



Tritanopia

11.9304, 0.3105, 0.3111

Trichromacy



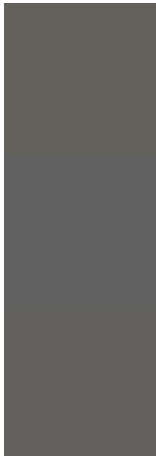
Original Color
11.9402, 0.3257, 0.3452

Protanomaly
11.9969, 0.3272, 0.3451

Deuteranomaly
11.9430, 0.3342, 0.3380

Tritanomaly
11.9569, 0.3160, 0.3245

Monochromacy



Original Color
11.9402, 0.3257, 0.3452

Achromatopsia
11.9538, 0.3127, 0.3290

Achromatomaly
11.9542, 0.3184, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9402, 0.3257, 0.3452 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(99, 97, 90) looks like.

```
.text, #text, p{  
    color:rgb(99, 97, 90)  
}
```

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(99, 97, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 97, 90) }
```

Border

The CSS property to change the border of an element to Yxy 11.9402, 0.3257, 0.3452 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(99, 97, 90) }
```

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

```
.border{ border-color:rgb(99, 97, 90) }
```

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

Here you see how a box with a 4 pixel rgb(99, 97, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 97, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 97, 90);  
box-shadow:4px 4px 4px 4px rgb(99, 97, 90)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9402, 0.3257, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 97, 90) }
```

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

```
.background{ background-color: rgb(99, 97,  
90) }
```

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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