

Converting Colors

$Y_{xy}(12.9509, 0.3201, 0.3494)$

Have a look what the booklet for
Yxy(12.9509, 0.3201, 0.3494)
contains.

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Color

Yxy(12.9457, 0.3205, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	63665D
RGB	99, 102, 93
RGB Percent	39%, 40%, 36%
CMY	0.6117, 0.6000, 0.6353
CMYK	0.03, 0.00, 0.09, 0.60
HSL	80°, 5%, 38%
HSV	80°, 9%, 40%
XYZ	11.8749, 12.9457, 12.2306
YIQ	100.0770, 1.1010, -3.4350

Conversions

Conversions Part 2

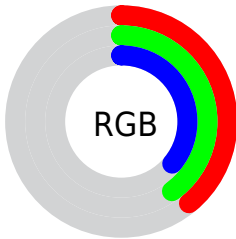
Format	Color
RYB	93, 102, 96
Decimal	6514269
CIELab	42.68, -2.98, 4.67
CIElCh	43, 5.543, 122.502
Yxy	12.9457, 0.3205, 0.3494
Android (android.graphics.Color)	4284704349 (0xFF63665D)
YUV	100.0770, -3.4890, -0.9445
Hunter-Lab	35.9801, -4.0529, 5.0318

Details

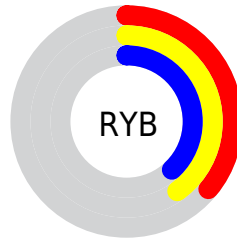
The Yxy color **12.9457, 0.3205, 0.3494** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2751, 0.3045, 0.3083**, and the grayscale version is **12.7747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2497, 0.3190, 0.3447**, and **3.6945, 0.3260, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **12.5913, 0.3294, 0.3739**, and if you desaturate by 10%, it is **13.3332, 0.3117, 0.3263**.

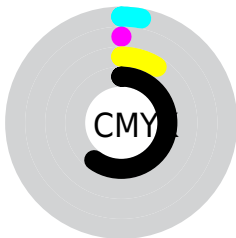
Distribution



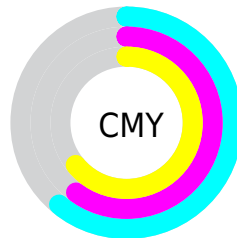
- Red (39%)
- Green (40%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (38%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9457, 0.3205, 0.3494 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 12.9457, 0.3205, 0.3494 by changing the saturation by 10% instead.

■ 12.9457, 0.3205,
0.3494

■ 12.9457, 0.3205,
0.3494

■ 210.5694, 0.3158,
0.3370

■ 7.3912, 0.3221,
0.3537

■ 31.2062, 0.3186,
0.3441

■ 3.7079, 0.3244,
0.3602

■ 44.6810, 0.3179,
0.3424

■ 1.5116, 0.3282,
0.3715

■ 61.5646, 0.3174,
0.3410

■ 0.2968, 0.4137,
0.5863

■ 82.2414, 0.3170,
0.3399

■ 0.0000, 0.0000,
0.0000

■ 107.0960, 0.3166,
0.3390

■ 136.5125, 0.3163,

0.3382

170.8755, 0.3161,
0.3375

■ 12.9457, 0.3205,
0.3494

■ 12.9457, 0.3205,
0.3494

■ 12.5913, 0.3294,
0.3739

■ 13.3332, 0.3117,
0.3263

■ 12.2674, 0.3381,
0.3995

■ 13.7532, 0.3031,
0.3049

■ 11.9734, 0.3463,
0.4256

■ 14.2072, 0.2949,
0.2853

■ 11.7081, 0.3537,
0.4515

■ 14.6961, 0.2872,
0.2673

■ 11.4702, 0.3597,
0.4763

■ 15.2207, 0.2800,
0.2511

■ 11.2584, 0.3641,
0.4989

■ 15.7819, 0.2732,
0.2364

■ 11.0710, 0.3664,
0.5183

■ 16.3804, 0.2670,
0.2231

■ 10.9064, 0.3665,
0.5337

■ 17.0171, 0.2612,
0.2111

■ 10.7578, 0.3653,
0.5467

■ 17.6927, 0.2559,
0.2004

Harmonies

Analogous

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



12.9457, 0.3305, 0.3487



12.9457, 0.3205, 0.3494



12.9457, 0.3085, 0.3443

Triad

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



12.9457, 0.3205, 0.3494



12.9457, 0.2902, 0.3147



12.9457, 0.3277, 0.3231

Complementary

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



12.9457, 0.3205, 0.3494



11.2751, 0.3045, 0.3083

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.



12.9457, 0.3166, 0.3144



12.9457, 0.3205, 0.3494



12.9457, 0.2950, 0.3095

Square

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



12.9457, 0.3205, 0.3494



12.9457, 0.2912, 0.3240



12.9457, 0.3047, 0.3095



12.9457, 0.3348, 0.3334

Rectangle

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



12.9457, 0.3205, 0.3494



12.9457, 0.3011, 0.3384



12.9457, 0.3047, 0.3095



12.9457, 0.3243, 0.3199

Sweetspot

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



12.9463, 0.3205, 0.3494



23.0887, 0.3154, 0.3360



11.9541, 0.3262, 0.3355



5.4361, 0.3160, 0.3375



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



12.9463, 0.3205, 0.3494



22.5460, 0.3227, 0.3554



12.7068, 0.3141, 0.3498



3.2249, 0.3206, 0.3497



13.7745, 0.3645, 0.5488



71.3511, 0.3613, 0.5513

Inverse Universe

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



11.2751, 0.3045, 0.3083



18.8415, 0.3020, 0.3021



11.5186, 0.3111, 0.3088



2.8036, 0.3044, 0.3081



1.6430, 0.1780, 0.0754



8.1353, 0.1726, 0.0725

Previews

White Background



This preview shows how the Yxy color 12.9457, 0.3205, 0.3494 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 12.9457, 0.3205, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

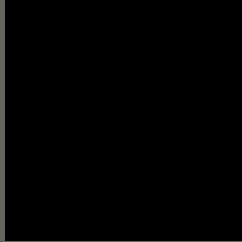
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9457, 0.3205, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 12.9457, 0.3205, 0.3494.



This preview shows how white text looks on a background with the Yxy color 12.9457, 0.3205, 0.3494.

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

12.9457, 0.3205, 0.3494

Protanopia

12.8903, 0.3313, 0.3468

Deuteranopia

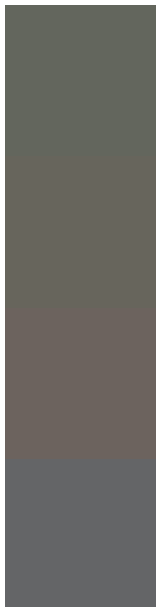
12.8683, 0.3417, 0.3355



Tritanopia

12.9638, 0.3035, 0.3115

Trichromacy



Original Color

12.9457, 0.3205, 0.3494

Protanomaly

12.9636, 0.3280, 0.3492

Deuteranomaly

12.9200, 0.3333, 0.3400

Tritanomaly

12.9960, 0.3086, 0.3246

Monochromacy



Original Color

12.9457, 0.3205, 0.3494

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8798, 0.3167, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9457, 0.3205, 0.3494 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, 102, 93) looks like.

```
.text, #text, p{  
    color:rgb(99, 102, 93)  
}
```

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, 102, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 102, 93) }
```

Border

The CSS property to change the border of an element to Yxy 12.9457, 0.3205, 0.3494 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, 102, 93) }
```

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

```
.border{ border-color:rgb(99, 102, 93) }
```

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

Here you see how a box with a 4 pixel rgb(99, 102, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 102, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 102, 93);  
box-shadow:4px 4px 4px 4px rgb(99, 102,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9457, 0.3205, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 102, 93) }
```

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

```
.background{ background-color: rgb(99, 102,  
93) }
```

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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