

Converting Colors

$Y_{xy}(10.2704, 0.3104, 0.3780)$

Have a look what the booklet for
Yxy(10.2704, 0.3104, 0.3780)
contains.

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Color

Yxy(10.2427, 0.3103, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	4C5F4C
RGB	76, 95, 76
RGB Percent	30%, 37%, 30%
CMY	0.7021, 0.6274, 0.7020
CMYK	0.20, 0.00, 0.20, 0.63
HSL	120°, 11%, 34%
HSV	120°, 20%, 37%
XYZ	8.3750, 10.2427, 8.3723
YIQ	87.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

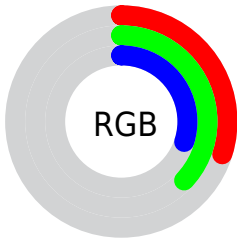
Format	Color
R_{YB}	76, 95, 95
Decimal	5005132
CIE _{Lab}	38.27, -11.45, 8.53
CIE _{LCh}	38, 14.276, 143.310
Yxy	10.2427, 0.3103, 0.3795
Android (android.graphics.Color)	4283195212 (0xFF4C5F4C)
YUV	87.1530, -5.4984, -9.7812
Hunter-Lab	32.0042, -9.2968, 6.8927

Details

The Yxy color **10.2427, 0.3103, 0.3795** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.4234, 0.3149, 0.2832**, and the grayscale version is **9.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3984, 0.3110, 0.3659**, and **2.5922, 0.3063, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **9.7601, 0.3089, 0.4091**, and if you desaturate by 10%, it is **10.8031, 0.3116, 0.3528**.

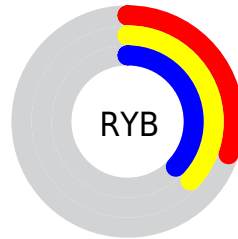
Distribution



Red (30%)

Green (37%)

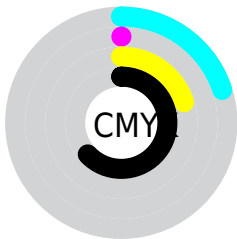
Blue (30%)



Red (30%)

Yellow (37%)

Blue (37%)

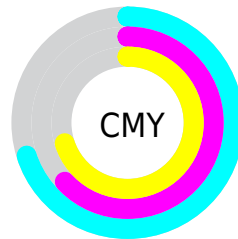


Cyan (20%)

Magenta (0%)

Yellow (20%)

Black (63%)



Cyan (70%)


Magenta (63%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2427, 0.3103, 0.3795 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 10.2427, 0.3103, 0.3795 by changing the saturation by 10% instead.


 10.2427, 0.3103,
0.3795


 10.2427, 0.3103,
0.3795


192.3956, 0.3122,
0.3473


 5.5602, 0.3093,
0.3918

 26.2510, 0.3113,
0.3653


 2.5795, 0.3073,
0.4118


 38.3456, 0.3115,
0.3608

 0.9164, 0.3098,
0.4801

 53.6796, 0.3117,
0.3573

 0.0000, 0.0000,
0.0000

 72.6375, 0.3119,
0.3545

 95.6036, 0.3120,
0.3522

122.9625, 0.3121,

0.3503

155.0983, 0.3121,
0.3487

■ 10.2427, 0.3103,
0.3795

■ 10.2427, 0.3103,
0.3795

■ 9.7601, 0.3089,
0.4091

■ 10.8031, 0.3116,
0.3528

■ 9.3507, 0.3074,
0.4410

■ 11.4431, 0.3127,
0.3291

■ 9.0113, 0.3058,
0.4742

■ 12.1662, 0.3137,
0.3083

■ 8.7379, 0.3043,
0.5072

■ 12.9752, 0.3146,
0.2903

■ 8.5263, 0.3028,
0.5378

■ 13.8727, 0.3153,
0.2746

■ 8.3716, 0.3016,
0.5637

■ 14.8615, 0.3160,
0.2611

■ 8.2684, 0.3007,
0.5831

■ 15.9439, 0.3166,
0.2493

■ 8.1866, 0.2999,
0.5998

■ 17.1223, 0.3171,
0.2392

■ 18.3989, 0.3175,
0.2304

Harmonies

Analogous

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



10.2427, 0.3429, 0.3883



10.2427, 0.3103, 0.3795



10.2427, 0.2794, 0.3546

Triad

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



10.2427, 0.3103, 0.3795



10.2427, 0.2589, 0.2783



10.2427, 0.3703, 0.3308

Complementary

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



10.2427, 0.3103, 0.3795



8.4234, 0.3149, 0.2832

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.



10.2427, 0.3455, 0.3047



10.2427, 0.3103, 0.3795



10.2427, 0.2809, 0.2751

Square

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



10.2427, 0.3103, 0.3795



10.2427, 0.2508, 0.2950



10.2427, 0.3124, 0.2848



10.2427, 0.3787, 0.3579

Rectangle

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



10.2427, 0.3103, 0.3795



10.2427, 0.2638, 0.3335



10.2427, 0.3124, 0.2848



10.2427, 0.3636, 0.3217

Sweetspot

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



10.2431, 0.3103, 0.3795



18.9055, 0.3120, 0.3433



11.1411, 0.3406, 0.3750



4.5209, 0.3120, 0.3441



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.



10.2431, 0.3103, 0.3795



17.1375, 0.3097, 0.3930



10.3850, 0.2974, 0.3538



2.8566, 0.3117, 0.3499



11.6329, 0.2999, 0.5998



62.1445, 0.3000, 0.5999

Inverse Universe

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



8.4234, 0.3149, 0.2832



13.4136, 0.3154, 0.2724



8.2612, 0.3314, 0.3055



2.6285, 0.3137, 0.3089



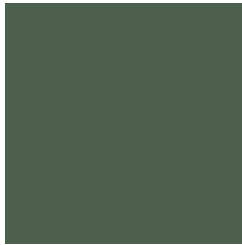
4.6281, 0.3213, 0.1544



24.7230, 0.3213, 0.1544

Previews

White Background



This preview shows how the Yxy color 10.2427, 0.3103, 0.3795 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 10.2427, 0.3103, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

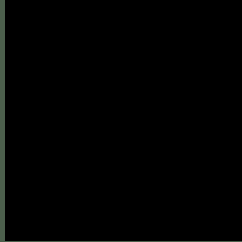
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2427, 0.3103, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 10.2427, 0.3103, 0.3795.



This preview shows how white text looks on a background with the Yxy color 10.2427, 0.3103, 0.3795.

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

10.2427, 0.3103, 0.3795

Protanopia

10.2263, 0.3473, 0.3708

Deuteranopia

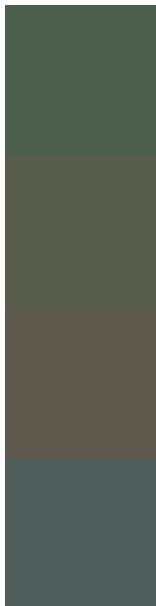
10.2500, 0.3546, 0.3502



Tritanopia

10.2606, 0.2850, 0.3115

Trichromacy



Original Color

10.2427, 0.3103, 0.3795

Protanomaly

10.2234, 0.3331, 0.3747

Deuteranomaly

10.1753, 0.3376, 0.3612

Tritanomaly

10.2463, 0.2943, 0.3341

Monochromacy



Original Color

10.2427, 0.3103, 0.3795

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.7759, 0.3119, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2427, 0.3103, 0.3795 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(76, 95, 76)` looks like.

```
.text, #text, p{  
    color:rgb(76, 95, 76)  
}
```

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(76, 95, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 95, 76) }
```

Border

The CSS property to change the border of an element to Yxy 10.2427, 0.3103, 0.3795 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(76, 95, 76) }
```

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

```
.border{ border-color:rgb(76, 95, 76) }
```

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

Here you see how a box with a 4 pixel rgb(76, 95, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 95, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 95, 76);  
box-shadow:4px 4px 4px 4px rgb(76, 95, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2427, 0.3103, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 95, 76) }
```

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

```
.background{ background-color: rgb(76, 95,  
76) }
```

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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