

Converting Colors

$Y_{xy}(9.9720, 0.3295, 0.4074)$

Have a look what the booklet for
Yxy(9.9720, 0.3295, 0.4074)
contains.

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Color

$Y_{xy}(10.0068, 0.3291, 0.4066)$

Conversions

Conversions Part 1

Format	Color
Hex	4E5E41
RGB	78, 94, 65
RGB Percent	31%, 37%, 25%
CMY	0.6941, 0.6314, 0.7451
CMYK	0.17, 0.00, 0.31, 0.63
HSL	93°, 18%, 31%
HSV	93°, 31%, 37%
XYZ	8.0995, 10.0068, 6.5047
YIQ	85.9100, -0.2270, -12.4110

Conversions

Conversions Part 2

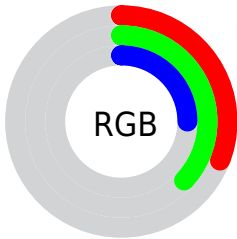
Format	Color
RYB	65, 94, 81
Decimal	5135937
CIELab	37.85, -12.11, 14.67
CIElCh	38, 19.019, 129.531
Yxy	10.0068, 0.3291, 0.4066
Android (android.graphics.Color)	4283326017 (0xFF4E5E41)
YUV	85.9100, -10.3086, -6.9371
Hunter-Lab	31.6335, -9.6555, 9.9519

Details

The Yxy color **10.0068, 0.3291, 0.4066** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.3365, 0.2913, 0.2528**, and the grayscale version is **9.3089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6508, 0.3250, 0.3841**, and **2.4952, 0.3345, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **9.6969, 0.3336, 0.4347**, and if you desaturate by 10%, it is **10.3530, 0.3240, 0.3796**.

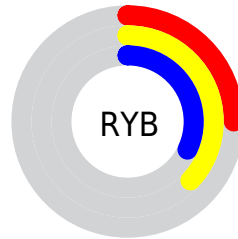
Distribution



Red (31%)

Green (37%)

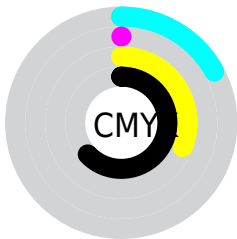
Blue (25%)



Red (25%)

Yellow (37%)

Blue (32%)

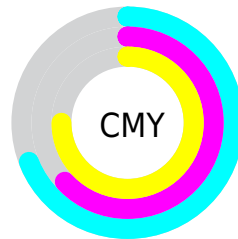


Cyan (17%)

Magenta (0%)

Yellow (31%)

Black (63%)



Cyan (69%)

Magenta (63%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0068, 0.3291, 0.4066 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 10.0068, 0.3291, 0.4066 by changing the saturation by 10% instead.

10.0068, 0.3291,
0.4066

10.0068, 0.3291,
0.4066

190.7206, 0.3196,
0.3568

5.4035, 0.3317,
0.4256

25.8083, 0.3254,
0.3846

2.4859, 0.3347,
0.4566

37.7752, 0.3241,
0.3776

0.8696, 0.3791,
0.6209

52.9655, 0.3230,
0.3722

0.0000, 0.0000,
0.0000

71.7635, 0.3221,
0.3679

94.5536, 0.3213,
0.3644

121.7202, 0.3207,

0.3614

153.6478, 0.3201,
0.3589

■ 10.0068, 0.3291,
0.4066

■ 10.0068, 0.3291,
0.4066

■ 9.6969, 0.3336,
0.4347

■ 10.3530, 0.3240,
0.3796

■ 9.4206, 0.3372,
0.4631

■ 10.7353, 0.3187,
0.3543

■ 9.1771, 0.3396,
0.4908


■ 11.1554, 0.3132,
0.3309

■ 8.9648, 0.3405,
0.5166

■ 11.6143, 0.3078,
0.3095

■ 8.7820, 0.3397,
0.5391


■ 12.1131, 0.3025,
0.2902

 8.6269, 0.3371,
0.5572

 12.6529, 0.2975,
0.2728

 8.5017, 0.3345,
0.5726

 13.2345, 0.2927,
0.2572

 13.8589, 0.2882,
0.2432

 14.5271, 0.2840,
0.2308

Harmonies

Analogous

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



10.0068, 0.3700, 0.4056



10.0068, 0.3291, 0.4066



10.0068, 0.2856, 0.3818

Triad

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



10.0068, 0.3291, 0.4066



10.0068, 0.2345, 0.2692



10.0068, 0.3771, 0.3143

Complementary

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



10.0068, 0.3291, 0.4066



6.3365, 0.2913, 0.2528

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.



10.0068, 0.3365, 0.2836



10.0068, 0.3291, 0.4066



10.0068, 0.2550, 0.2577

Square

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



10.0068, 0.3291, 0.4066



10.0068, 0.2330, 0.2981



10.0068, 0.2915, 0.2633



10.0068, 0.3996, 0.3499

Rectangle

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



10.0068, 0.3291, 0.4066



10.0068, 0.2609, 0.3548



10.0068, 0.2915, 0.2633



10.0068, 0.3650, 0.3032

Sweetspot

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



10.0072, 0.3291, 0.4066



18.9093, 0.3178, 0.3505



8.6383, 0.3641, 0.3697



4.5140, 0.3183, 0.3529



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.



10.0072, 0.3291, 0.4066



17.1206, 0.3324, 0.4270



9.5276, 0.3069, 0.4073



2.6301, 0.3175, 0.3493



11.7349, 0.3332, 0.5737



63.7473, 0.3288, 0.5771

Inverse Universe

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



6.3365, 0.2913, 0.2528



9.5674, 0.2849, 0.2332



6.9420, 0.3187, 0.2615



2.3358, 0.3076, 0.3088



2.0923, 0.2170, 0.0969



10.9243, 0.2112, 0.0937

Previews

White Background



This preview shows how the Yxy color 10.0068, 0.3291, 0.4066 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 ✓ Pass

Black Background



This preview shows how the Yxy color 10.0068, 0.3291, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

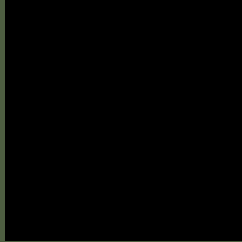
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

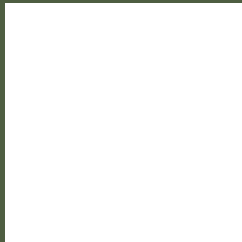
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.0068, 0.3291, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 10.0068, 0.3291, 0.4066.

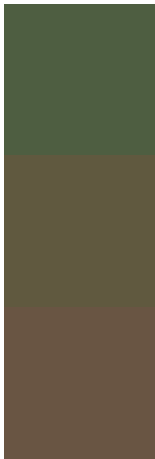


This preview shows how white text looks on a background with the Yxy color 10.0068, 0.3291, 0.4066.

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

10.0068, 0.3291, 0.4066

Protanopia

9.9904, 0.3655, 0.3929

Deuteranopia

9.9055, 0.3780, 0.3712



Tritanopia

10.0144, 0.2919, 0.3116

Trichromacy



Original Color

10.0068, 0.3291, 0.4066

Protanomaly

9.9762, 0.3504, 0.3978

Deuteranomaly

9.8057, 0.3596, 0.3836

Tritanomaly

9.8874, 0.3057, 0.3445

Monochromacy



Original Color

10.0068, 0.3291, 0.4066

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.5338, 0.3195, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0068, 0.3291, 0.4066 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(78, 94, 65)` looks like.

```
.text, #text, p{  
    color:rgb(78, 94, 65)  
}
```

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(78, 94, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 94, 65) }
```

Border

The CSS property to change the border of an element to Yxy 10.0068, 0.3291, 0.4066 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(78, 94, 65) }
```

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

```
.border{ border-color:rgb(78, 94, 65) }
```

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

Here you see how a box with a 4 pixel rgb(78, 94, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 94, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 94, 65);  
box-shadow:4px 4px 4px 4px rgb(78, 94, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0068, 0.3291, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 94, 65) }
```

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

```
.background{ background-color: rgb(78, 94,  
65) }
```

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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