

Converting Colors

$Y_{xy}(12.6799, 0.2996, 0.3049)$

Have a look what the booklet for
Yxy(12.6799, 0.2996, 0.3049)
contains.

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Color

Yxy(12.7588, 0.2995, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	64636E
RGB	100, 99, 110
RGB Percent	39%, 39%, 43%
CMY	0.6078, 0.6118, 0.5686
CMYK	0.09, 0.10, 0.00, 0.57
HSL	246°, 5%, 41%
HSV	246°, 10%, 43%
XYZ	12.5328, 12.7588, 16.5542
YIQ	100.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

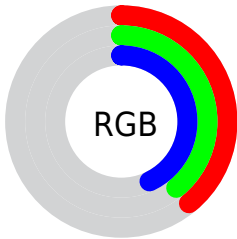
Format	Color
R_{YB}	100, 99, 110
Decimal	6579054
CIE _{Lab}	42.40, 2.78, -6.06
CIE _{LCh}	42, 6.666, 294.631
Yxy	12.7588, 0.2995, 0.3049
Android (android.graphics.Color)	4284769134 (0xFF64636E)
YUV	100.5530, 4.6574, -0.4850
Hunter-Lab	35.7195, 0.1210, -2.4744

Details

The Yxy color **12.7588, 0.2995, 0.3049** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3035, 0.3253, 0.3522**, and the grayscale version is **12.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0006, 0.3026, 0.3107**, and **3.6509, 0.2928, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **10.2800, 0.2845, 0.2780**, and if you desaturate by 10%, it is **15.5924, 0.3127, 0.3290**.

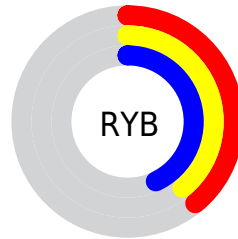
Distribution



Red (39%)

Green (39%)

Blue (43%)



Red (39%)

Yellow (39%)

Blue (43%)

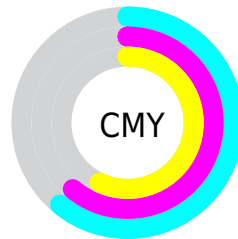


Cyan (9%)

Magenta (10%)

Yellow (0%)

Black (57%)



Cyan (61%)

Magenta (61%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7588, 0.2995, 0.3049 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 12.7588, 0.2995, 0.3049 by changing the saturation by 10% instead.

■ 12.7588, 0.2995,
0.3049

■ 12.7588, 0.2995,
0.3049

209.3660, 0.3075,
0.3194

■ 7.2627, 0.2967,
0.3001

■ 30.8698, 0.3029,
0.3109

■ 3.6269, 0.2926,
0.2928

■ 44.2534, 0.3040,
0.3130

■ 1.4671, 0.2854,
0.2808

■ 61.0350, 0.3049,
0.3146

■ 0.2654, 0.2466,
0.2045

■ 81.5989, 0.3056,
0.3159

■ 0.0000, 0.0000,
0.0000

106.3296, 0.3062,
0.3170

135.6114, 0.3067,

0.3179

169.8287, 0.3072,
0.3187

■ 12.7588, 0.2995,
0.3049

■ 12.7588, 0.2995,
0.3049

■ 10.2800, 0.2845,
0.2780

■ 15.5924, 0.3127,
0.3290

■ 8.1406, 0.2678,
0.2483

■ 18.7924, 0.3242,
0.3503

■ 6.3261, 0.2497,
0.2166

■ 22.3718, 0.3342,
0.3689

■ 4.8207, 0.2306,
0.1838

■ 26.3425, 0.3428,
0.3852

■ 3.6072, 0.2113,
0.1514

■ 30.7158, 0.3502,
0.3993

■ 2.6664, 0.1931,
0.1215

■ 35.5027, 0.3566,
0.4117

■ 1.9772, 0.1770,
0.0962

■ 40.7136, 0.3621,
0.4224

■ 1.5151, 0.1644,
0.0772

■ 46.3586, 0.3668,
0.4318

■ 1.1912, 0.1551,
0.0628

■ 52.4475, 0.3709,
0.4400

Harmonies

Analogous

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



12.7588, 0.2892, 0.3066



12.7588, 0.2995, 0.3049



12.7588, 0.3135, 0.3094

Triad

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



12.7588, 0.2995, 0.3049



12.7588, 0.3411, 0.3429



12.7588, 0.2978, 0.3394

Complementary

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



12.7588, 0.2995, 0.3049



15.3035, 0.3253, 0.3522

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.



12.7588, 0.3114, 0.3498



12.7588, 0.2995, 0.3049



12.7588, 0.3366, 0.3515

Square

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



12.7588, 0.2995, 0.3049



12.7588, 0.3378, 0.3309



12.7588, 0.3256, 0.3542



12.7588, 0.2883, 0.3263

Rectangle

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



12.7588, 0.2995, 0.3049



12.7588, 0.3232, 0.3152



12.7588, 0.3256, 0.3542



12.7588, 0.3020, 0.3434

Sweetspot

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



12.7593, 0.2995, 0.3049



25.7838, 0.3088, 0.3219



14.7337, 0.2982, 0.3270



5.9186, 0.3079, 0.3203



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.



12.7593, 0.2995, 0.3049



21.3437, 0.2962, 0.2989



13.0779, 0.3072, 0.3055



3.3138, 0.3009, 0.3074



1.4239, 0.1547, 0.0626



6.9167, 0.1524, 0.0613

Inverse Universe

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



13.3424, 0.3152, 0.3080



22.5874, 0.3158, 0.3031



14.9712, 0.3178, 0.3527



3.4484, 0.3149, 0.3101



5.0824, 0.3446, 0.1672



25.2502, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 12.7588, 0.2995, 0.3049 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 12.7588, 0.2995, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

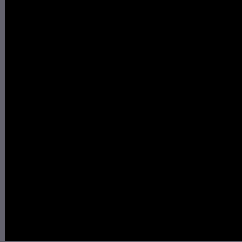
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

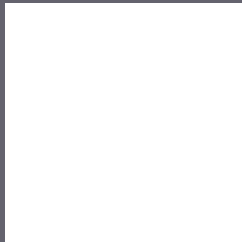
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.7588, 0.2995, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 12.7588, 0.2995, 0.3049.



This preview shows how white text looks on a background with the Yxy color 12.7588, 0.2995, 0.3049.

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

12.7588, 0.2995, 0.3049

Protanopia

12.7021, 0.2981, 0.3048

Deuteranopia

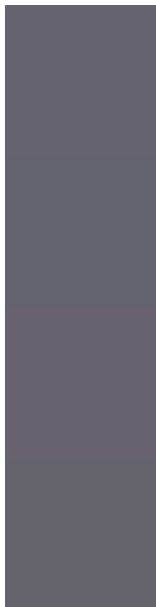
12.6784, 0.3067, 0.3011



Tritanopia

12.6945, 0.3034, 0.3113

Trichromacy



Original Color

12.7588, 0.2995, 0.3049

Protanomaly

12.7021, 0.2981, 0.3048

Deuteranomaly

12.7447, 0.3038, 0.3030

Tritanomaly

12.7157, 0.3021, 0.3092

Monochromacy



Original Color

12.7588, 0.2995, 0.3049

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8805, 0.3088, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7588, 0.2995, 0.3049 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(100, 99, 110)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 110)  
}
```

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(100, 99, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 110) }
```

Border

The CSS property to change the border of an element to Yxy 12.7588, 0.2995, 0.3049 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(100, 99, 110) }
```

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

```
.border{ border-color:rgb(100, 99, 110) }
```

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

Here you see how a box with a 4 pixel rgb(100, 99, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 110);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7588, 0.2995, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 110) }
```

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

```
.background{ background-color: rgb(100, 99,  
110) }
```

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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