

Converting Colors

$Y_{xy}(12.0294, 0.3053, 0.2610)$

Have a look what the booklet for
Yxy(12.0294, 0.3053, 0.2610)
contains.

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Color

Yxy(12.0294, 0.3053, 0.2610)

Conversions

Conversions Part 1

Format	Color
Hex	73587A
RGB	115, 88, 122
RGB Percent	45%, 35%, 48%
CMY	0.5491, 0.6549, 0.5216
CMYK	0.06, 0.28, 0.00, 0.52
HSL	288°, 16%, 41%
HSV	288°, 28%, 48%
XYZ	14.0712, 12.0294, 19.9891
YIQ	99.9490, 5.1780, 16.2980

Conversions

Conversions Part 2

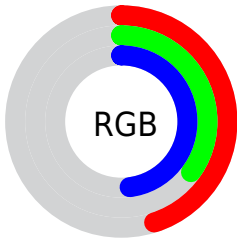
Format	Color
R_{YB}	115, 88, 122
Decimal	7559290
CIE _{Lab}	41.26, 17.68, -14.94
CIE _{LCh}	41, 23.149, 319.806
Yxy	12.0294, 0.3053, 0.2610
Android (android.graphics.Color)	4285749370 (0xFF73587A)
YUV	99.9490, 10.8711, 13.1997
Hunter-Lab	34.6834, 11.7220, -9.8922

Details

The Yxy color **12.0294, 0.3053, 0.2610** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.0546, 0.3176, 0.4031**, and the grayscale version is **12.7012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4484, 0.3078, 0.2775**, and **3.2952, 0.2994, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **10.0237, 0.3017, 0.2358**, and if you desaturate by 10%, it is **14.3760, 0.3084, 0.2862**.

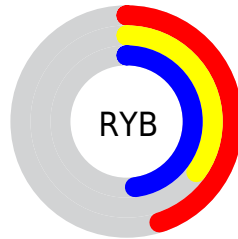
Distribution



Red (45%)

Green (35%)

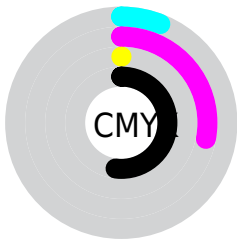
Blue (48%)



Red (45%)

Yellow (35%)

Blue (48%)

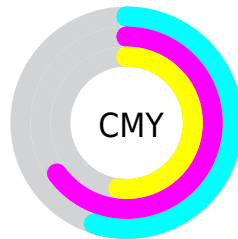


Cyan (6%)

Magenta (28%)

Yellow (0%)

Black (52%)



Cyan (55%)


Magenta (65%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0294, 0.3053, 0.2610 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 12.0294, 0.3053, 0.2610 by changing the saturation by 10% instead.


 12.0294, 0.3053,
0.2610


 12.0294, 0.3053,
0.2610


204.5998, 0.3104,
0.3008


 6.7637, 0.3032,
0.2485


 29.5486, 0.3077,
0.2772


 3.3148, 0.2997,
0.2305

 42.5710, 0.3084,
0.2827


 1.2982, 0.2930,
0.2025

 58.9476, 0.3089,
0.2872

 0.1398, 0.2940,
0.0728

 79.0630, 0.3094,
0.2908

 0.0000, 0.0000,
0.0000

 103.3016, 0.3097,
0.2939

132.0476, 0.3100,

0.2966

165.6856, 0.3102,
0.2988

■ 12.0294, 0.3053,
0.2610

■ 12.0294, 0.3053,
0.2610

■ 10.0237, 0.3017,
0.2358

■ 14.3760, 0.3084,
0.2862

■ 8.3406, 0.2975,
0.2112

■ 17.0774, 0.3110,
0.3106

■ 6.9625, 0.2929,
0.1883

■ 20.1487, 0.3131,
0.3339

■ 5.8695, 0.2880,
0.1680

■ 23.6038, 0.3148,
0.3557

■ 5.0391, 0.2828,
0.1511

■ 27.4556, 0.3162,
0.3759

■ 4.4457, 0.2775,
0.1382

■ 31.7166, 0.3172,
0.3944

■ 4.0251, 0.2722,
0.1287

■ 36.3987, 0.3180,
0.4113

■ 3.9386, 0.2710,
0.1267

■ 41.5132, 0.3186,
0.4267

■ 47.0711, 0.3189,
0.4405

Harmonies

Analogous

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



12.0294, 0.2594, 0.2485



12.0294, 0.3053, 0.2610



12.0294, 0.3571, 0.2883

Triad

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



12.0294, 0.3053, 0.2610



12.0294, 0.4004, 0.4009



12.0294, 0.2331, 0.3236

Complementary

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



12.0294, 0.3053, 0.2610



17.0546, 0.3176, 0.4031

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.



12.0294, 0.2663, 0.3746



12.0294, 0.3053, 0.2610



12.0294, 0.3628, 0.4205

Square

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



12.0294, 0.3053, 0.2610



12.0294, 0.4144, 0.3655



12.0294, 0.3135, 0.4122



12.0294, 0.2206, 0.2799

Rectangle

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



12.0294, 0.3053, 0.2610



12.0294, 0.3869, 0.3122



12.0294, 0.3135, 0.4122



12.0294, 0.2421, 0.3407

Sweetspot

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



12.0299, 0.3053, 0.2610



29.8789, 0.3109, 0.3098



11.7315, 0.2684, 0.2700



6.6856, 0.3106, 0.3067



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.0299, 0.3053, 0.2610



19.0008, 0.3032, 0.2460



12.2956, 0.3301, 0.2807



4.0378, 0.3107, 0.3077



4.1440, 0.2709, 0.1266



19.3979, 0.2683, 0.1251

Inverse Universe

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



11.9441, 0.3579, 0.3148



18.8490, 0.3713, 0.3116



16.8667, 0.2989, 0.3828



4.0273, 0.3247, 0.3246



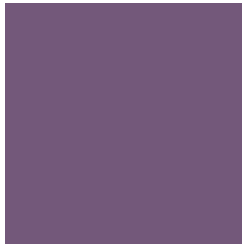
4.4296, 0.5985, 0.3071



21.0275, 0.6099, 0.3133

Previews

White Background



This preview shows how the Yxy color 12.0294, 0.3053, 0.2610 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 12.0294, 0.3053, 0.2610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

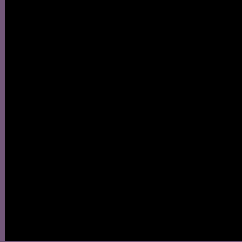
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0294, 0.3053, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 12.0294, 0.3053, 0.2610.

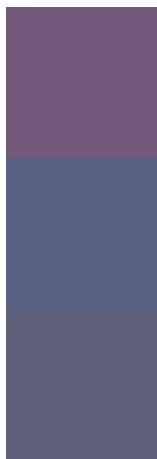


This preview shows how white text looks on a background with the Yxy color 12.0294, 0.3053, 0.2610.

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

12.0294, 0.3053, 0.2610

Protanopia

12.0481, 0.2632, 0.2599

Deuteranopia

12.1791, 0.2787, 0.2748



Tritanopia

11.9999, 0.3340, 0.3141

Trichromacy



Original Color

12.0294, 0.3053, 0.2610

Protanomaly

11.9317, 0.2763, 0.2593

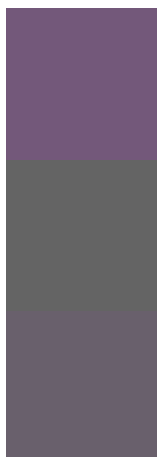
Deuteranomaly

12.0340, 0.2879, 0.2697

Tritanomaly

12.0544, 0.3237, 0.2955

Monochromacy



Original Color

12.0294, 0.3053, 0.2610

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4517, 0.3095, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0294, 0.3053, 0.2610 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(115, 88, 122)` looks like.

```
.text, #text, p{  
    color:rgb(115, 88, 122)  
}
```

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(115, 88, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 88, 122) }
```

Border

The CSS property to change the border of an element to Yxy 12.0294, 0.3053, 0.2610 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(115, 88, 122) }
```

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

```
.border{ border-color:rgb(115, 88, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 88, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 88, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 88, 122); box-shadow:4px 4px 4px 4px rgb(115, 88, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0294, 0.3053, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 88, 122) }
```

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

```
.background{ background-color: rgb(115, 88,  
122) }
```

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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