

Converting Colors

$Y_{xy}(12.8674, 0.3055, 0.2952)$

Have a look what the booklet for
Yxy(12.8674, 0.3055, 0.2952)
contains.

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Color

Yxy(12.8674, 0.3055, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	6B6171
RGB	107, 97, 113
RGB Percent	42%, 38%, 44%
CMY	0.5805, 0.6196, 0.5569
CMYK	0.05, 0.14, 0.00, 0.56
HSL	277°, 8%, 41%
HSV	277°, 14%, 44%
XYZ	13.3164, 12.8674, 17.4050
YIQ	101.8140, 0.8240, 7.0960

Conversions

Conversions Part 2

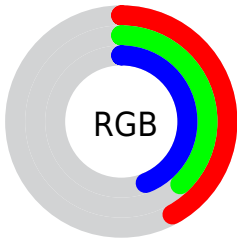
Format	Color
R_{YB}	107, 97, 113
Decimal	7037297
CIE Lab	42.56, 7.26, -7.57
CIE LCh	43, 10.492, 313.803
Yxy	12.8674, 0.3055, 0.2952
Android (android.graphics.Color)	4285227377 (0xFF6B6171)
YUV	101.8140, 5.5147, 4.5481
Hunter-Lab	35.8712, 3.4896, -3.6582

Details

The Yxy color **12.8674, 0.3055, 0.2952** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5599, 0.3191, 0.3634**, and the grayscale version is **13.2207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1655, 0.3068, 0.3038**, and **3.7100, 0.3027, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **10.6685, 0.2994, 0.2696**, and if you desaturate by 10%, it is **15.3779, 0.3108, 0.3194**.

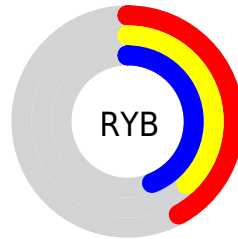
Distribution



Red (42%)

Green (38%)

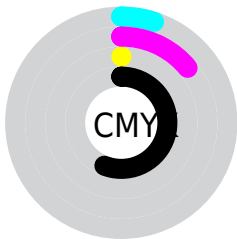
Blue (44%)



Red (42%)

Yellow (38%)

Blue (44%)

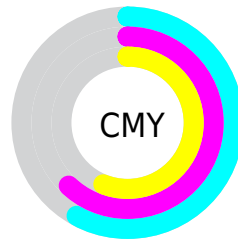


Cyan (5%)

Magenta (14%)

Yellow (0%)

Black (56%)



Cyan (58%)

Magenta (62%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8674, 0.3055, 0.2952 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 12.8674, 0.3055, 0.2952 by changing the saturation by 10% instead.

■ 12.8674, 0.3055,
0.2952

■ 12.8674, 0.3055,
0.2952

210.0661, 0.3100,
0.3153

■ 7.3373, 0.3039,
0.2886

■ 31.0654, 0.3074,
0.3035

■ 3.6739, 0.3014,
0.2789

■ 44.5020, 0.3081,
0.3063

■ 1.4929, 0.2970,
0.2631

■ 61.3430, 0.3086,
0.3085

■ 0.2837, 0.2849,
0.1808

■ 81.9726, 0.3090,
0.3104

■ 0.0000, 0.0000,
0.0000

106.7754, 0.3093,
0.3119

136.1356, 0.3096,

0.3132

170.4377, 0.3098,
0.3143

■ 12.8674, 0.3055,
0.2952

■ 12.8674, 0.3055,
0.2952

■ 10.6685, 0.2994,
0.2696

■ 15.3779, 0.3108,
0.3194

■ 8.7669, 0.2923,
0.2431

■ 18.2104, 0.3152,
0.3420

■ 7.1495, 0.2844,
0.2163

■ 21.3767, 0.3190,
0.3627

■ 5.8018, 0.2756,
0.1901

■ 24.8876, 0.3220,
0.3817

■ 4.7075, 0.2663,
0.1657

■ 28.7532, 0.3246,
0.3988

■ 3.8491, 0.2566,
0.1441

■ 32.9836, 0.3266,
0.4143

■ 3.2062, 0.2469,
0.1263

■ 37.5881, 0.3283,
0.4283

■ 2.7481, 0.2375,
0.1127

■ 42.5758, 0.3296,
0.4409

■ 2.5094, 0.2320,
0.1052

■ 47.9554, 0.3307,
0.4522

Harmonies

Analogous

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



12.8674, 0.2853, 0.2914



12.8674, 0.3055, 0.2952



12.8674, 0.3284, 0.3072

Triad

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



12.8674, 0.3055, 0.2952



12.8674, 0.3542, 0.3599



12.8674, 0.2789, 0.3320

Complementary

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



12.8674, 0.3055, 0.2952



15.5599, 0.3191, 0.3634

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.



12.8674, 0.2964, 0.3524



12.8674, 0.3055, 0.2952



12.8674, 0.3399, 0.3685

Square

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



12.8674, 0.3055, 0.2952



12.8674, 0.3570, 0.3438



12.8674, 0.3187, 0.3660



12.8674, 0.2704, 0.3117

Rectangle

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



12.8674, 0.3055, 0.2952



12.8674, 0.3419, 0.3185



12.8674, 0.3187, 0.3660



12.8674, 0.2839, 0.3392

Sweetspot

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



12.8679, 0.3055, 0.2952



27.5570, 0.3108, 0.3195



13.4629, 0.2918, 0.3075



6.3049, 0.3105, 0.3181



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8679, 0.3055, 0.2952



21.6800, 0.3036, 0.2869



13.2130, 0.3168, 0.2998



3.3937, 0.3083, 0.3079



2.8350, 0.2315, 0.1049



13.6174, 0.2268, 0.1023

Inverse Universe

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



13.0424, 0.3284, 0.3164



22.0647, 0.3326, 0.3133



15.2512, 0.3088, 0.3600



3.4204, 0.3222, 0.3211



4.1732, 0.5379, 0.2737



20.6325, 0.5516, 0.2812

Previews

White Background



This preview shows how the Yxy color 12.8674, 0.3055, 0.2952 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 12.8674, 0.3055, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

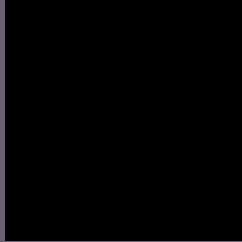
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8674, 0.3055, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 12.8674, 0.3055, 0.2952.



This preview shows how white text looks on a background with the Yxy color 12.8674, 0.3055, 0.2952.

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

12.8674, 0.3055, 0.2952

Protanopia

12.9488, 0.2904, 0.2964

Deuteranopia

12.9309, 0.3026, 0.2971



Tritanopia

12.8401, 0.3135, 0.3118

Trichromacy



Original Color

12.8674, 0.3055, 0.2952

Protanomaly

12.9053, 0.2957, 0.2966

Deuteranomaly

12.9918, 0.3041, 0.2972

Tritanomaly

12.9037, 0.3094, 0.3054

Monochromacy



Original Color

12.8674, 0.3055, 0.2952

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0980, 0.3104, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8674, 0.3055, 0.2952 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(107, 97, 113)` looks like.

```
.text, #text, p{  
    color:rgb(107, 97, 113)  
}
```

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(107, 97, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 97, 113) }
```

Border

The CSS property to change the border of an element to Yxy 12.8674, 0.3055, 0.2952 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(107, 97, 113) }
```

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

```
.border{ border-color:rgb(107, 97, 113) }
```

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

Here you see how a box with a 4 pixel rgb(107, 97, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 97, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 97, 113);  
box-shadow:4px 4px 4px 4px rgb(107, 97,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8674, 0.3055, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 97, 113) }
```

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

```
.background{ background-color: rgb(107, 97,  
113) }
```

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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