

Converting Colors

$Y_{xy}(12.2370, 0.2722, 0.3217)$

Have a look what the booklet for
Yxy(12.2370, 0.2722, 0.3217)
contains.

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Color

Yxy(12.2370, 0.2722, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	4B676A
RGB	75, 103, 106
RGB Percent	29%, 40%, 42%
CMY	0.7058, 0.5961, 0.5844
CMYK	0.29, 0.03, 0.00, 0.58
HSL	186°, 17%, 35%
HSV	186°, 29%, 42%
XYZ	10.3541, 12.2370, 15.4475
YIQ	94.9700, -17.6510, -5.0030

Conversions

Conversions Part 2

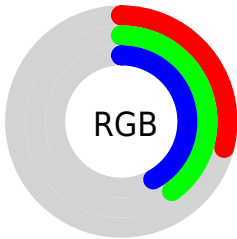
Format	Color
RYB	75, 90, 106
Decimal	4941674
CIELab	41.59, -9.44, -5.02
CIELCh	42, 10.688, 207.995
Yxy	12.2370, 0.2722, 0.3217
Android (android.graphics.Color)	4283131754 (0xFF4B676A)
YUV	94.9700, 5.4378, -17.5137
Hunter-Lab	34.9814, -8.3836, -1.6949

Details

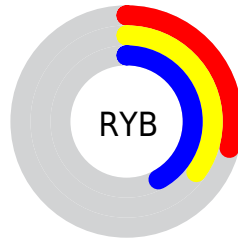
The Yxy color **12.2370, 0.2722, 0.3217** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0217, 0.3703, 0.3362**, and the grayscale version is **11.4272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9055, 0.2828, 0.3240**, and **3.4053, 0.2517, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **11.6429, 0.2600, 0.3189**, and if you desaturate by 10%, it is **12.9058, 0.2854, 0.3244**.

Distribution



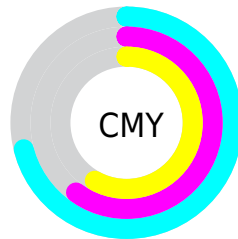
- Red (29%)
- Green (40%)
- Blue (42%)



- Red (29%)
- Yellow (35%)
- Blue (42%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (58%)



- Cyan (71%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2370, 0.2722, 0.3217 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 12.2370, 0.2722, 0.3217 by changing the saturation by 10% instead.

■ 12.2370, 0.2722,
0.3217

■ 12.2370, 0.2722,
0.3217

■ 205.9680, 0.2967,
0.3264

■ 6.9053, 0.2640,
0.3199

■ 29.9260, 0.2824,
0.3238

■ 3.4029, 0.2516,
0.3169

■ 43.0521, 0.2858,
0.3245

■ 1.3455, 0.2309,
0.3113

■ 59.5452, 0.2886,
0.3250

■ 0.1761, 0.0000,
0.2450

■ 79.7895, 0.2908,
0.3254

■ 0.0000, 0.0000,
0.0000

■ 104.1696, 0.2926,
0.3257

133.0698, 0.2942,

0.3260

166.8745, 0.2955,
0.3262

■ 12.2370, 0.2722,
0.3217

■ 12.2370, 0.2722,
0.3217

■ 11.6429, 0.2600,
0.3189

■ 12.9058, 0.2854,
0.3244

■ 11.1185, 0.2490,
0.3159

■ 13.6510, 0.2994,
0.3269

■ 10.6605, 0.2394,
0.3128

■ 14.4764, 0.3139,
0.3292

■ 10.2646, 0.2314,
0.3097

■ 15.3847, 0.3286,
0.3313

■ 9.9260, 0.2251,
0.3066

■ 16.3788, 0.3433,
0.3332

■ 9.6395, 0.2206,
0.3034

■ 17.4613, 0.3580,
0.3349

■ 9.3834, 0.2170,
0.3003

■ 18.6347, 0.3723,
0.3364

■ 9.3634, 0.2167,
0.3000

■ 19.9014, 0.3862,
0.3377

■ 21.2638, 0.3997,
0.3388

Harmonies

Analogous

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



12.2370, 0.2863, 0.3437



12.2370, 0.2722, 0.3217



12.2370, 0.2686, 0.3029

Triad

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



12.2370, 0.2722, 0.3217



12.2370, 0.3165, 0.2990



12.2370, 0.3499, 0.3665

Complementary

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



12.2370, 0.2722, 0.3217



9.0217, 0.3703, 0.3362

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.



12.2370, 0.3589, 0.3528



12.2370, 0.2722, 0.3217



12.2370, 0.3392, 0.3145

Square

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



12.2370, 0.2722, 0.3217



12.2370, 0.2935, 0.2908



12.2370, 0.3549, 0.3339



12.2370, 0.3310, 0.3702

Rectangle

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



12.2370, 0.2722, 0.3217



12.2370, 0.2725, 0.2945



12.2370, 0.3549, 0.3339



12.2370, 0.3542, 0.3628

Sweetspot

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



12.2375, 0.2722, 0.3217



23.9604, 0.2994, 0.3269



12.3461, 0.3059, 0.4011



5.5775, 0.2978, 0.3266



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.2375, 0.2722, 0.3217



20.7649, 0.2638, 0.3198



9.5042, 0.2684, 0.2838



3.4445, 0.2997, 0.3269



11.5976, 0.2166, 0.2997



58.3977, 0.2161, 0.2979

Inverse Universe

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



9.0779, 0.3209, 0.2670



14.3017, 0.3231, 0.2527



11.4151, 0.3612, 0.3703



3.1591, 0.3150, 0.3104



4.8431, 0.3457, 0.1678



24.6075, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 12.2370, 0.2722, 0.3217 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 12.2370, 0.2722, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

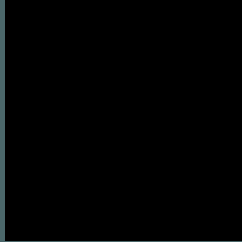
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

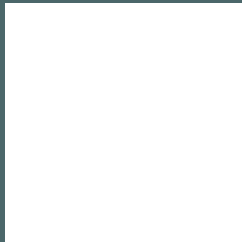
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2370, 0.2722, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 12.2370, 0.2722, 0.3217.



This preview shows how white text looks on a background with the Yxy color 12.2370, 0.2722, 0.3217.

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

12.2370, 0.2722, 0.3217

Protanopia

12.1054, 0.3073, 0.3177

Deuteranopia

12.1507, 0.3066, 0.3006



Tritanopia

12.1650, 0.2687, 0.3099

Trichromacy



Original Color

12.2370, 0.2722, 0.3217

Protanomaly

12.0766, 0.2945, 0.3197

Deuteranomaly

12.1241, 0.2935, 0.3085

Tritanomaly

12.1434, 0.2698, 0.3122

Monochromacy



Original Color

12.2370, 0.2722, 0.3217

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7109, 0.2968, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2370, 0.2722, 0.3217 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(75, 103, 106)` looks like.

```
.text, #text, p{  
  color:rgb(75, 103, 106)  
}
```

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(75, 103, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 103, 106) }
```

Border

The CSS property to change the border of an element to Yxy 12.2370, 0.2722, 0.3217 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(75, 103, 106) }
```

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

```
.border{ border-color:rgb(75, 103, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 103, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 103, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 103, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 103,  
106) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 12.2370, 0.2722, 0.3217$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 103, 106) }
```

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

```
.background{ background-color: rgb(75, 103,  
106) }
```

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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