

Converting Colors

$Y_{xy}(17.0341, 0.2251, 0.2239)$

Have a look what the booklet for
Yxy(17.0341, 0.2251, 0.2239)
contains.

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Color

Yxy(17.0724, 0.2252, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	5273AD
RGB	82, 115, 173
RGB Percent	32%, 45%, 68%
CMY	0.6787, 0.5490, 0.3216
CMYK	0.53, 0.34, 0.00, 0.32
HSL	218°, 36%, 50%
HSV	218°, 53%, 68%
XYZ	17.1485, 17.0724, 41.9271
YIQ	111.7450, -38.2860, 11.0420

Conversions

Conversions Part 2

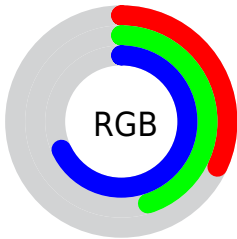
Format	Color
R _Y B	82, 106, 173
Decimal	5403565
CIE Lab	48.35, 5.16, -34.55
CIE LCh	48, 34.936, 278.486
Yxy	17.0724, 0.2252, 0.2242
Android (android.graphics.Color)	4283593645 (0xFF5273AD)
YUV	111.7450, 30.1987, -26.0864
Hunter-Lab	41.3188, 1.7751, -31.2398

Details

The Yxy color **17.0724, 0.2252, 0.2242** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.2244, 0.4118, 0.4134**, and the grayscale version is **16.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6129, 0.2447, 0.2468**, and **5.5298, 0.1917, 0.1857** is the 20% darker color. If you saturate the color by 10%, you get **14.0292, 0.2088, 0.2000**, and if you desaturate by 10%, it is **20.6125, 0.2424, 0.2476**.

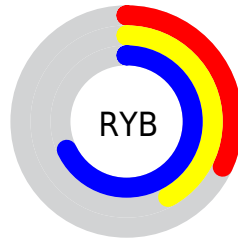
Distribution



Red (32%)

Green (45%)

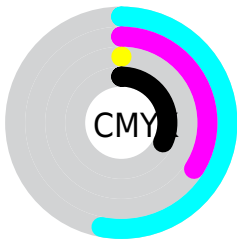
Blue (68%)



Red (32%)

Yellow (42%)

Blue (68%)

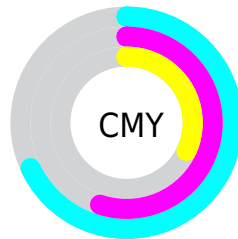


Cyan (53%)

Magenta (34%)

Yellow (0%)

Black (32%)



Cyan (68%)

Magenta (55%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0724, 0.2252, 0.2242 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 17.0724, 0.2252, 0.2242 by changing the saturation by 10% instead.

■ 17.0724, 0.2252,
0.2242

■ 17.0724, 0.2252,
0.2242

■ 235.5893, 0.2745,
0.2822

■ 10.2861, 0.2111,
0.2080

■ 38.4502, 0.2445,
0.2466

■ 5.5891, 0.1920,
0.1865

■ 53.8105, 0.2513,
0.2546

■ 2.5969, 0.1652,
0.1568

■ 72.7977, 0.2569,
0.2612

■ 0.9251, 0.1262,
0.1150

■ 95.7960, 0.2616,
0.2668

■ 0.0000, 0.0000,
0.0000

■ 123.1899, 0.2656,
0.2715

155.3639, 0.2690,

0.2756

192.7022, 0.2720,
0.2791

■ 17.0724, 0.2252,
0.2242

■ 17.0724, 0.2252,
0.2242

■ 14.0292, 0.2088,
0.2000

■ 20.6125, 0.2424,
0.2476

■ 11.4556, 0.1940,
0.1758

■ 24.6712, 0.2598,
0.2697

■ 9.3238, 0.1814,
0.1524

■ 29.2708, 0.2769,
0.2900

■ 7.6015, 0.1715,
0.1310

■ 34.4317, 0.2933,
0.3084

■ 6.5556, 0.1658,
0.1167

■ 40.1734, 0.3088,
0.3250

■ 46.5140, 0.3232,
0.3396

■ 53.4712, 0.3366,
0.3525

■ 61.0615, 0.3488,
0.3638

■ 69.3012, 0.3600,
0.3737

Harmonies

Analogous

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



17.0724, 0.1974, 0.2393



17.0724, 0.2252, 0.2242



17.0724, 0.2772, 0.2325

Triad

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



17.0724, 0.2252, 0.2242



17.0724, 0.4459, 0.3538



17.0724, 0.2716, 0.4154

Complementary

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



17.0724, 0.2252, 0.2242



28.2244, 0.4118, 0.4134

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.



17.0724, 0.3367, 0.4525



17.0724, 0.2252, 0.2242



17.0724, 0.4401, 0.4043

Square

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



17.0724, 0.2252, 0.2242



17.0724, 0.4102, 0.3034



17.0724, 0.3986, 0.4437



17.0724, 0.2210, 0.3466

Rectangle

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



17.0724, 0.2252, 0.2242



17.0724, 0.3218, 0.2493



17.0724, 0.3986, 0.4437



17.0724, 0.2925, 0.4327

Sweetspot

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



17.0730, 0.2252, 0.2242



58.1833, 0.2874, 0.3020



33.5604, 0.2670, 0.3875



12.2456, 0.2842, 0.2983



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.0730, 0.2252, 0.2242



24.4012, 0.2065, 0.1964



11.4249, 0.2247, 0.1691



8.2158, 0.2986, 0.3142



4.9164, 0.1663, 0.1186



0.2427, 0.1841, 0.1826

Inverse Universe

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



16.1467, 0.4052, 0.2803



23.8341, 0.4381, 0.2727



38.0583, 0.3757, 0.4593



8.0616, 0.3232, 0.3208



6.7994, 0.5486, 0.2796



0.1998, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 17.0724, 0.2252, 0.2242 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 17.0724, 0.2252, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

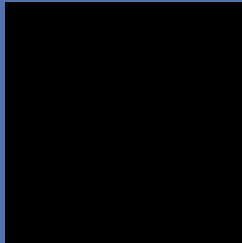
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

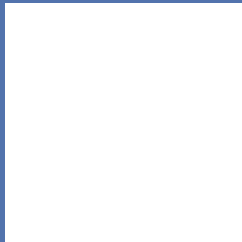
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.0724, 0.2252, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 17.0724, 0.2252, 0.2242.

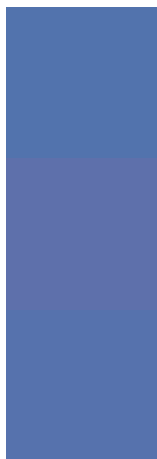


This preview shows how white text looks on a background with the Yxy color 17.0724, 0.2252, 0.2242.

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

17.0724, 0.2252, 0.2242

Protanopia

16.9083, 0.2352, 0.2239

Deuteranopia

17.0302, 0.2279, 0.2231



Tritanopia

17.0883, 0.2466, 0.3076

Trichromacy



Original Color

17.0724, 0.2252, 0.2242

Protanomaly

16.9625, 0.2314, 0.2235

Deuteranomaly

16.9831, 0.2271, 0.2229

Tritanomaly

16.9875, 0.2377, 0.2726

Monochromacy



Original Color

17.0724, 0.2252, 0.2242

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2982, 0.2744, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0724, 0.2252, 0.2242 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(82, 115, 173)` looks like.

```
.text, #text, p{  
    color:rgb(82, 115, 173)  
}
```

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(82, 115, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 115, 173) }
```

Border

The CSS property to change the border of an element to Yxy 17.0724, 0.2252, 0.2242 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(82, 115, 173) }
```

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

```
.border{ border-color:rgb(82, 115, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 115, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 115, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 115, 173);  
box-shadow:4px 4px 4px 4px rgb(82, 115,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0724, 0.2252, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 115, 173) }
```

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

```
.background{ background-color: rgb(82, 115,  
173) }
```

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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