

Converting Colors

$Y_{xy}(14.6386, 0.2568, 0.2224)$

Have a look what the booklet for
Yxy(14.6386, 0.2568, 0.2224)
contains.

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Color

Yxy(14.6435, 0.2572, 0.2223)

Conversions

Conversions Part 1

Format	Color
Hex	6D639E
RGB	109, 99, 158
RGB Percent	43%, 39%, 62%
CMY	0.5725, 0.6118, 0.3803
CMYK	0.31, 0.37, 0.00, 0.38
HSL	250°, 23%, 50%
HSV	250°, 37%, 62%
XYZ	16.9425, 14.6435, 34.2867
YIQ	108.7160, -12.9790, 20.4690

Conversions

Conversions Part 2

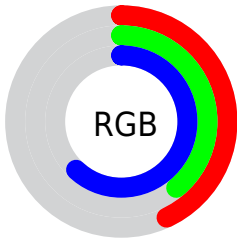
Format	Color
R_{YB}	109, 99, 158
Decimal	7168926
CIE _{Lab}	45.14, 17.85, -30.65
CIE _{LCh}	45, 35.469, 300.218
Yxy	14.6435, 0.2572, 0.2223
Android (android.graphics.Color)	4285359006 (0xFF6D639E)
YUV	108.7160, 24.2970, 0.2491
Hunter-Lab	38.2668, 12.0631, -26.3365

Details

The Yxy color **14.6435, 0.2572, 0.2223** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.6535, 0.3566, 0.4229**, and the grayscale version is **15.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2982, 0.2707, 0.2455**, and **4.4264, 0.2323, 0.1825** is the 20% darker color. If you saturate the color by 10%, you get **11.1666, 0.2388, 0.1892**, and if you desaturate by 10%, it is **18.8315, 0.2744, 0.2542**.

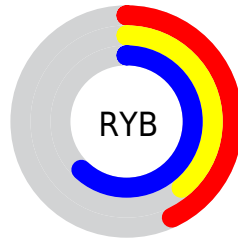
Distribution



Red (43%)

Green (39%)

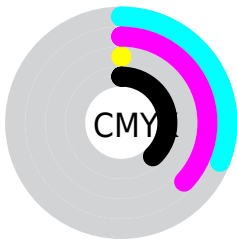
Blue (62%)



Red (43%)

Yellow (39%)

Blue (62%)

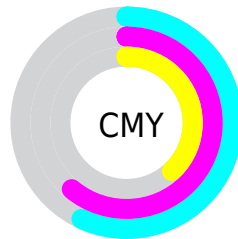


Cyan (31%)

Magenta (37%)

Yellow (0%)

Black (38%)



Cyan (57%)

Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.6435, 0.2572, 0.2223 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 14.6435, 0.2572, 0.2223 by changing the saturation by 10% instead.

■ 14.6435, 0.2572,
0.2223

■ 14.6435, 0.2572,
0.2223

■ 221.1982, 0.2903,
0.2816

■ 8.5696, 0.2468,
0.2055

■ 34.2265, 0.2707,
0.2453

■ 4.4615, 0.2319,
0.1830

■ 48.5045, 0.2753,
0.2535

■ 1.9349, 0.2094,
0.1515

■ 66.2858, 0.2791,
0.2603

■ 0.5693, 0.1737,
0.1005

■ 87.9550, 0.2821,
0.2660

■ 0.0000, 0.0000,
0.0000

■ 113.8965, 0.2847,
0.2708

■ 144.4945, 0.2868,

0.2749

180.1336, 0.2887,
0.2785

■ 14.6435, 0.2572,
0.2223

■ 14.6435, 0.2572,
0.2223

■ 11.1666, 0.2388,
0.1892

■ 18.8315, 0.2744,
0.2542

■ 8.3593, 0.2198,
0.1564

■ 23.7655, 0.2900,
0.2840

■ 6.1784, 0.2014,
0.1259

■ 29.4803, 0.3037,
0.3110

■ 4.5748, 0.1846,
0.0998

■ 36.0078, 0.3157,
0.3351

■ 3.4919, 0.1707,
0.0802

■ 43.3784, 0.3261,
0.3564

■ 2.8407, 0.1604,
0.0674

■ 51.6206, 0.3350,
0.3752

■ 2.6999, 0.1582,
0.0645

■ 60.7618, 0.3425,
0.3915

■ 70.8280, 0.3490,
0.4057

■ 81.8444, 0.3545,
0.4182

Harmonies

Analogous

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



14.6435, 0.2092, 0.2197



14.6435, 0.2572, 0.2223



14.6435, 0.3265, 0.2466

Triad

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



14.6435, 0.2572, 0.2223



14.6435, 0.4543, 0.3936



14.6435, 0.2274, 0.3691

Complementary

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



14.6435, 0.2572, 0.2223



31.6535, 0.3566, 0.4229

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.



14.6435, 0.2867, 0.4379



14.6435, 0.2572, 0.2223



14.6435, 0.4186, 0.4411

Square

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



14.6435, 0.2572, 0.2223



14.6435, 0.4488, 0.3394



14.6435, 0.3568, 0.4633



14.6435, 0.1931, 0.2944

Rectangle

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



14.6435, 0.2572, 0.2223



14.6435, 0.3766, 0.2727



14.6435, 0.3568, 0.4633



14.6435, 0.2449, 0.3948

Sweetspot

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



14.6441, 0.2572, 0.2223



49.3451, 0.2986, 0.3009



26.3565, 0.2594, 0.3116



10.8269, 0.2969, 0.2975



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



14.6441, 0.2572, 0.2223



21.1260, 0.2415, 0.1941



16.8239, 0.2921, 0.2321



6.4867, 0.3013, 0.3061



2.1745, 0.1588, 0.0648



0.0521, 0.1889, 0.0814

Inverse Universe

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



18.3307, 0.3296, 0.2527



28.8969, 0.3345, 0.2360



29.2572, 0.3261, 0.4329



6.7352, 0.3162, 0.3106



7.1428, 0.3680, 0.1801



0.1324, 0.3465, 0.1682

Previews

White Background



This preview shows how the Yxy color 14.6435, 0.2572, 0.2223 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 14.6435, 0.2572, 0.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

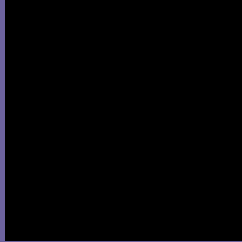
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6435, 0.2572, 0.2223

Background



This preview shows how black text looks on a background with the Yxy color 14.6435, 0.2572, 0.2223.

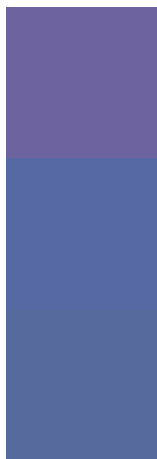


This preview shows how white text looks on a background with the Yxy color 14.6435, 0.2572, 0.2223.

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

14.6435, 0.2572, 0.2223

Protanopia

14.7259, 0.2317, 0.2201

Deuteranopia

14.7208, 0.2365, 0.2309



Tritanopia

14.6954, 0.2924, 0.3120

Trichromacy



Original Color

14.6435, 0.2572, 0.2223

Protanomaly

14.6534, 0.2399, 0.2211

Deuteranomaly

14.5145, 0.2432, 0.2270

Tritanomaly

14.6254, 0.2787, 0.2765

Monochromacy



Original Color

14.6435, 0.2572, 0.2223

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.8867, 0.2908, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6435, 0.2572, 0.2223 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(109, 99, 158)` looks like.

```
.text, #text, p{  
    color:rgb(109, 99, 158)  
}
```

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(109, 99, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 99, 158) }
```

Border

The CSS property to change the border of an element to Yxy 14.6435, 0.2572, 0.2223 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(109, 99, 158) }
```

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

```
.border{ border-color:rgb(109, 99, 158) }
```

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

Here you see how a box with a 4 pixel rgb(109, 99, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 99, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 99, 158);  
box-shadow:4px 4px 4px 4px rgb(109, 99,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6435, 0.2572, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 99, 158) }
```

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

```
.background{ background-color: rgb(109, 99,  
158) }
```

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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