

Converting Colors

$Y_{xy}(15.9683, 0.2555, 0.2489)$

Have a look what the booklet for
Yxy(15.9683, 0.2555, 0.2489)
contains.

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Color

$\text{Yxy}(15.9136, 0.2552, 0.2478)$

Conversions

Conversions Part 1	
Format	Color
Hex	646D98
RGB	100, 109, 152
RGB Percent	39%, 43%, 60%
CMY	0.6080, 0.5725, 0.4039
CMYK	0.34, 0.28, 0.00, 0.40
HSL	230°, 21%, 49%
HSV	230°, 34%, 60%
XYZ	16.3888, 15.9136, 31.9171
YIQ	111.2110, -19.1670, 11.4650

Conversions

Conversions Part 2

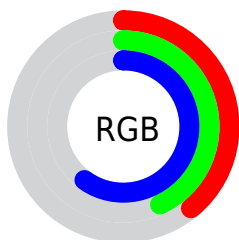
Format	Color
RYB	100, 108, 152
Decimal	6581656
CIELab	46.86, 7.34, -24.48
CIELCh	47, 25.554, 286.700
Yxy	15.9136, 0.2552, 0.2478
Android (android.graphics.Color)	4284771736 (0xFF646D98)
YUV	111.2110, 20.1090, -9.8320
Hunter-Lab	39.8919, 3.5227, -19.5131

Details

The Yxy color $15.9136, 0.2552, 0.2478$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $27.2280, 0.3671, 0.3988$, and the grayscale version is $15.9041, 0.3127, 0.3290$.

A 20% lighter version of the original color is $36.2732, 0.2688, 0.2659$, and $5.0886, 0.2310, 0.2162$ is the 20% darker color. If you saturate the color by 10%, you get $12.6363, 0.2361, 0.2191$, and if you desaturate by 10%, it is $19.7367, 0.2736, 0.2746$.

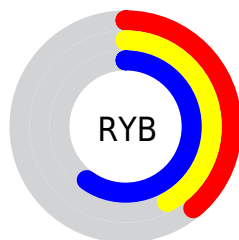
Distribution



Red (39%)

Green (43%)

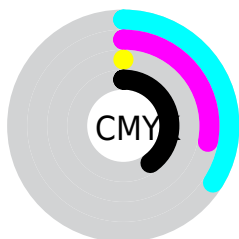
Blue (60%)



Red (39%)

Yellow (42%)

Blue (60%)

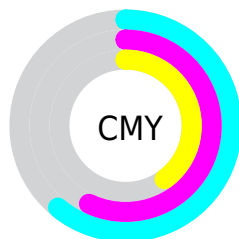


Cyan (34%)

Magenta (28%)

Yellow (0%)

Black (40%)



Cyan (61%)


Magenta (57%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9136, 0.2552, 0.2478 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 15.9136, 0.2552, 0.2478 by changing the saturation by 10% instead.


 15.9136, 0.2552,
0.2478


 15.9136, 0.2552,
0.2478


228.8314, 0.2887,
0.2938


 9.4630, 0.2449,
0.2343


 36.4481, 0.2687,
0.2659


 5.0444, 0.2304,
0.2157


 51.3009, 0.2733,
0.2723

 2.2733, 0.2086,
0.1886

 69.7232, 0.2771,
0.2775

 0.7595, 0.1732,
0.1457

 92.0994, 0.2802,
0.2819

 0.0000, 0.0000,
0.0000

118.8139, 0.2828,
0.2855

150.2512, 0.2851,

0.2887

186.7955, 0.2870,
0.2914

■ 15.9136, 0.2552,
0.2478

■ 15.9136, 0.2552,
0.2478

■ 12.6363, 0.2361,
0.2191

■ 19.7367, 0.2736,
0.2746

■ 9.8777, 0.2169,
0.1891

■ 24.1272, 0.2908,
0.2989

■ 7.6113, 0.1985,
0.1593

■ 29.1079, 0.3065,
0.3206

■ 5.8072, 0.1821,
0.1312

■ 34.6996, 0.3207,
0.3397

■ 4.4325, 0.1688,
0.1064

■ 40.9223, 0.3335,
0.3565

■ 3.4489, 0.1592,
0.0866

■ 47.7949, 0.3448,
0.3711

■ 3.0254, 0.1549,
0.0775

■ 55.3356, 0.3549,
0.3837

■ 63.5619, 0.3638,
0.3947

■ 72.4906, 0.3716,
0.4042

Harmonies

Analogous

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



15.9136, 0.2274, 0.2555



15.9136, 0.2552, 0.2478



15.9136, 0.3000, 0.2586

Triad

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



15.9136, 0.2552, 0.2478



15.9136, 0.4147, 0.3615



15.9136, 0.2704, 0.3798

Complementary

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



15.9136, 0.2552, 0.2478



27.2280, 0.3671, 0.3988

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.



15.9136, 0.3187, 0.4151



15.9136, 0.2552, 0.2478



15.9136, 0.4036, 0.3981

Square

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



15.9136, 0.2552, 0.2478



15.9136, 0.3956, 0.3211



15.9136, 0.3677, 0.4201



15.9136, 0.2353, 0.3288

Rectangle

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



15.9136, 0.2552, 0.2478



15.9136, 0.3348, 0.2746



15.9136, 0.3677, 0.4201



15.9136, 0.2856, 0.3943

Sweetspot

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



15.9142, 0.2552, 0.2478



46.0099, 0.2973, 0.3080



27.1335, 0.2729, 0.3460



10.2042, 0.2952, 0.3051



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



15.9142, 0.2552, 0.2478



23.6281, 0.2408, 0.2262



15.1176, 0.2719, 0.2351



6.1914, 0.2988, 0.3101



2.5702, 0.1551, 0.0784



0.0765, 0.1717, 0.1382

Inverse Universe

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



16.8875, 0.3766, 0.3138



25.8457, 0.3976, 0.3104



28.5734, 0.3446, 0.4172



6.2393, 0.3257, 0.3252



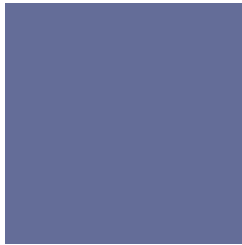
5.6648, 0.6096, 0.3132



0.0885, 0.5215, 0.2646

Previews

White Background



This preview shows how the Yxy color 15.9136, 0.2552, 0.2478 looks on a white background.

Color Contrast Check

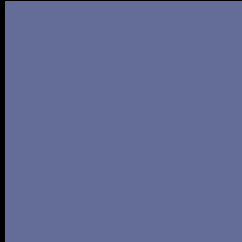
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9136, 0.2552, 0.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

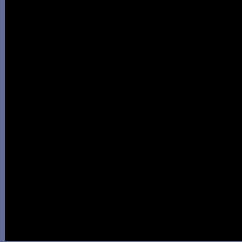
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9136, 0.2552, 0.2478

Background



This preview shows how black text looks on a background with the Yxy color 15.9136, 0.2552, 0.2478.



This preview shows how white text looks on a background with the Yxy color 15.9136, 0.2552, 0.2478.

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

15.9136, 0.2552, 0.2478

Protanopia

15.8009, 0.2532, 0.2474

Deuteranopia

15.8009, 0.2532, 0.2474



Tritanopia

15.8695, 0.2770, 0.3080

Trichromacy



Original Color
15.9136, 0.2552, 0.2478

Protanomaly
15.8569, 0.2542, 0.2476

Deuteranomaly
15.8569, 0.2542, 0.2476

Tritanomaly
15.7964, 0.2687, 0.2844

Monochromacy



Original Color
15.9136, 0.2552, 0.2478

Achromatopsia
15.8961, 0.3127, 0.3290

Achromatomaly
15.7840, 0.2898, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9136, 0.2552, 0.2478 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(100, 109, 152)` looks like.

```
.text, #text, p{  
    color:rgb(100, 109, 152)  
}
```

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(100, 109, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 109, 152) }
```

Border

The CSS property to change the border of an element to Yxy 15.9136, 0.2552, 0.2478 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(100, 109, 152) }
```

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

```
.border{ border-color:rgb(100, 109, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 109, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 109, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 109, 152);  
box-shadow:4px 4px 4px 4px rgb(100, 109,  
152) }
```

Background

The CSS property to change the background color of an element to Yxy 15.9136, 0.2552, 0.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 109, 152) }
```

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

```
.background{ background-color: rgb(100,  
109, 152) }
```

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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