

Converting Colors

$Y_{xy}(15.8933, 0.2304, 0.2597)$

Have a look what the booklet for
Yxy(15.8933, 0.2304, 0.2597)
contains.

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Color

Yxy(15.9217, 0.2308, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	447496
RGB	68, 116, 150
RGB Percent	27%, 45%, 59%
CMY	0.7334, 0.5451, 0.4118
CMYK	0.55, 0.23, 0.00, 0.41
HSL	205°, 38%, 43%
HSV	205°, 55%, 59%
XYZ	14.1336, 15.9217, 31.1820
YIQ	105.5240, -39.5220, 0.3980

Conversions

Conversions Part 2

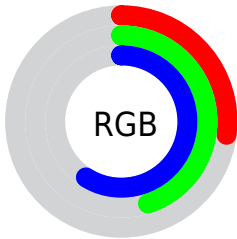
Format	Color
R_{YB}	68, 98, 150
Decimal	4486294
CIE _{Lab}	46.87, -6.10, -23.43
CIE _{LCh}	47, 24.212, 255.401
Yxy	15.9217, 0.2308, 0.2600
Android (android.graphics.Color)	4282676374 (0xFF447496)
YUV	105.5240, 21.9267, -32.9085
Hunter-Lab	39.9020, -6.6026, -18.4017

Details

The Yxy color **15.9217, 0.2308, 0.2600** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.4015, 0.4329, 0.3865**, and the grayscale version is **14.2232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5025, 0.2497, 0.2768**, and **5.0415, 0.1976, 0.2300** is the 20% darker color. If you saturate the color by 10%, you get **14.0643, 0.2178, 0.2446**, and if you desaturate by 10%, it is **18.0142, 0.2450, 0.2748**.

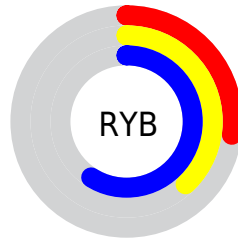
Distribution



 Red (27%)

 Green (45%)

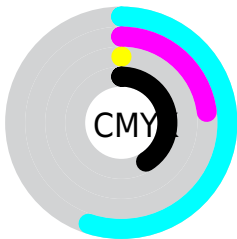
 Blue (59%)




 Red (27%)

 Yellow (38%)

 Blue (59%)

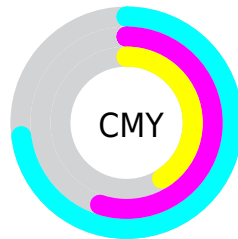



 Cyan (55%)


 Magenta (23%)

 Yellow (0%)

 Black (41%)



 Cyan (73%)

 Magenta (55%)

 Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.9217, 0.2308, 0.2600 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 15.9217, 0.2308, 0.2600 by changing the saturation by 10% instead.

■ 15.9217, 0.2308,
0.2600

■ 15.9217, 0.2308,
0.2600

■ 228.8792, 0.2776,
0.3003

■ 9.4688, 0.2169,
0.2476

■ 36.4622, 0.2494,
0.2763

■ 5.0482, 0.1977,
0.2301

■ 51.3186, 0.2558,
0.2819

■ 2.2756, 0.1697,
0.2038

■ 69.7449, 0.2611,
0.2864

■ 0.7607, 0.1217,
0.1613

■ 92.1255, 0.2655,
0.2901

■ 0.0000, 0.0000,
0.0000

■ 118.8449, 0.2692,
0.2933

150.2874, 0.2724,

0.2960

186.8373, 0.2752,
0.2983

■ 15.9217, 0.2308,
0.2600

■ 15.9217, 0.2308,
0.2600

■ 14.0643, 0.2178,
0.2446

■ 18.0142, 0.2450,
0.2748

■ 12.4277, 0.2065,
0.2289

■ 20.3516, 0.2599,
0.2887

■ 10.9982, 0.1970,
0.2131

■ 22.9448, 0.2752,
0.3017

■ 9.7582, 0.1896,
0.1977

■ 25.8038, 0.2906,
0.3136

■ 9.1517, 0.1860,
0.1896

■ 28.9376, 0.3058,
0.3243

■ 32.3551, 0.3205,
0.3340

■ 36.0644, 0.3347,
0.3427

■ 40.0734, 0.3482,
0.3503

■ 44.3897, 0.3610,
0.3570

Harmonies

Analogous

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



15.9217, 0.2250, 0.2875



15.9217, 0.2308, 0.2600



15.9217, 0.2566, 0.2516

Triad

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



15.9217, 0.2308, 0.2600



15.9217, 0.3898, 0.3201



15.9217, 0.3207, 0.4110

Complementary

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



15.9217, 0.2308, 0.2600



16.4015, 0.4329, 0.3865

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.



15.9217, 0.3669, 0.4149



15.9217, 0.2308, 0.2600



15.9217, 0.4091, 0.3586

Square

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



15.9217, 0.2308, 0.2600



15.9217, 0.3480, 0.2855



15.9217, 0.4000, 0.3936



15.9217, 0.2745, 0.3788

Rectangle

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



15.9217, 0.2308, 0.2600



15.9217, 0.2832, 0.2561



15.9217, 0.4000, 0.3936



15.9217, 0.3368, 0.4156

Sweetspot

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



15.9223, 0.2308, 0.2600



44.6764, 0.2881, 0.3117



23.9768, 0.2807, 0.4307



9.6911, 0.2852, 0.3096



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.9223, 0.2308, 0.2600



24.0246, 0.2147, 0.2405



8.6260, 0.2137, 0.1758



6.1632, 0.2989, 0.3196



7.6545, 0.1863, 0.1907



0.1520, 0.2051, 0.2582

Inverse Universe

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



11.8782, 0.3742, 0.2498



17.2432, 0.3958, 0.2359



26.1875, 0.3960, 0.4458



5.8689, 0.3197, 0.3161



5.9661, 0.4560, 0.2286



0.0789, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 15.9217, 0.2308, 0.2600 looks on a white background.

Color Contrast Check

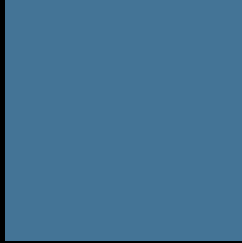
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9217, 0.2308, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

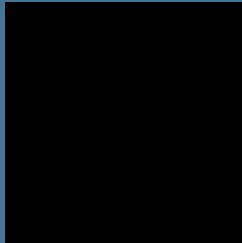
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

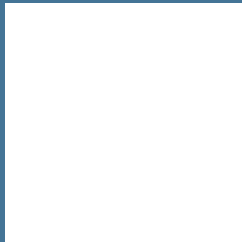
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.9217, 0.2308, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 15.9217, 0.2308, 0.2600.

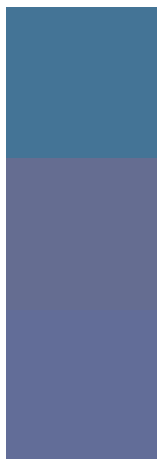


This preview shows how white text looks on a background with the Yxy color 15.9217, 0.2308, 0.2600.

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

15.9217, 0.2308, 0.2600

Protanopia

15.7483, 0.2628, 0.2595

Deuteranopia

15.8009, 0.2532, 0.2474



Tritanopia

15.9786, 0.2425, 0.3090

Trichromacy



Original Color

15.9217, 0.2308, 0.2600

Protanomaly

15.8188, 0.2494, 0.2599

Deuteranomaly

15.8489, 0.2442, 0.2528

Tritanomaly

16.0566, 0.2381, 0.2904

Monochromacy



Original Color

15.9217, 0.2308, 0.2600

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8323, 0.2761, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9217, 0.2308, 0.2600 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(68, 116, 150)` looks like.

```
.text, #text, p{  
    color:rgb(68, 116, 150)  
}
```

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(68, 116, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 116, 150) }
```

Border

The CSS property to change the border of an element to Yxy 15.9217, 0.2308, 0.2600 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(68, 116, 150) }
```

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

```
.border{ border-color:rgb(68, 116, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 116, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 116, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 116, 150);  
box-shadow:4px 4px 4px 4px rgb(68, 116,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9217, 0.2308, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 116, 150) }
```

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

```
.background{ background-color: rgb(68, 116,  
150) }
```

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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