

Converting Colors

$Y_{xy}(14.6642, 0.2397, 0.2398)$

Have a look what the booklet for
Yxy(14.6642, 0.2397, 0.2398)
contains.

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Color

Yxy(14.7137, 0.2399, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	556B98
RGB	85, 107, 152
RGB Percent	33%, 42%, 60%
CMY	0.6667, 0.5804, 0.4039
CMYK	0.44, 0.30, 0.00, 0.40
HSL	220°, 28%, 46%
HSV	220°, 44%, 60%
XYZ	14.6709, 14.7137, 31.7696
YIQ	105.5520, -27.5570, 9.3310

Conversions

Conversions Part 2

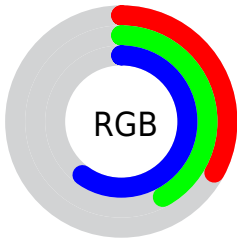
Format	Color
R _Y B	85, 102, 152
Decimal	5598104
CIE Lab	45.24, 4.25, -27.07
CIE LCh	45, 27.398, 278.918
Yxy	14.7137, 0.2399, 0.2406
Android (android.graphics.Color)	4283788184 (0xFF556B98)
YUV	105.5520, 22.8989, -18.0241
Hunter-Lab	38.3584, 1.1433, -22.2548

Details

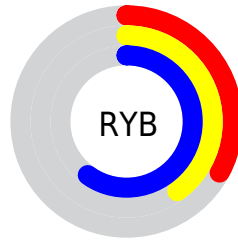
The Yxy color **14.7137, 0.2399, 0.2406** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.2935, 0.3907, 0.4033**, and the grayscale version is **14.2267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2283, 0.2569, 0.2610**, and **4.4946, 0.2085, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **12.0733, 0.2225, 0.2160**, and if you desaturate by 10%, it is **17.7593, 0.2575, 0.2639**.

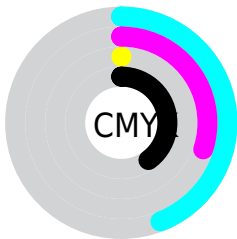
Distribution



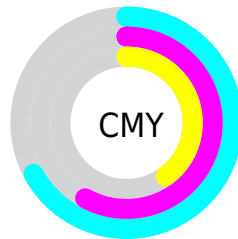
- Red (33%)
- Green (42%)
- Blue (60%)



- Red (33%)
- Yellow (40%)
- Blue (60%)



- Cyan (44%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.7137, 0.2399, 0.2406 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 14.7137, 0.2399, 0.2406 by changing the saturation by 10% instead.

■ 14.7137, 0.2399,
0.2406

■ 14.7137, 0.2399,
0.2406

■ 221.6267, 0.2823,
0.2913

■ 8.6187, 0.2270,
0.2255

■ 34.3501, 0.2569,
0.2607

■ 4.4933, 0.2088,
0.2047

■ 48.6604, 0.2628,
0.2678

■ 1.9532, 0.1819,
0.1743

■ 66.4778, 0.2676,
0.2735

■ 0.5800, 0.1379,
0.1221

■ 88.1868, 0.2716,
0.2783

■ 0.0000, 0.0000,
0.0000

■ 114.1718, 0.2749,
0.2823

144.8172, 0.2777,

0.2857

180.5074, 0.2801,
0.2887

■ 14.7137, 0.2399,
0.2406

■ 14.7137, 0.2399,
0.2406

■ 12.0733, 0.2225,
0.2160

■ 17.7593, 0.2575,
0.2639

■ 9.8178, 0.2059,
0.1908

■ 21.2258, 0.2747,
0.2854

■ 7.9276, 0.1910,
0.1658

■ 25.1298, 0.2912,
0.3049

■ 6.3803, 0.1783,
0.1421

■ 29.4867, 0.3067,
0.3224

■ 5.1500, 0.1686,
0.1207

■ 34.3110, 0.3211,
0.3380

■ 4.5412, 0.1637,
0.1093

■ 39.6166, 0.3344,
0.3517

■ 45.4167, 0.3465,
0.3637

■ 51.7240, 0.3575,
0.3742

■ 58.5508, 0.3675,
0.3834

Harmonies

Analogous

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



14.7137, 0.2155, 0.2542



14.7137, 0.2399, 0.2406



14.7137, 0.2844, 0.2476

Triad

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



14.7137, 0.2399, 0.2406



14.7137, 0.4227, 0.3523



14.7137, 0.2788, 0.3981

Complementary

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



14.7137, 0.2399, 0.2406



23.2935, 0.3907, 0.4033

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.



14.7137, 0.3332, 0.4292



14.7137, 0.2399, 0.2406



14.7137, 0.4185, 0.3945

Square

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



14.7137, 0.2399, 0.2406



14.7137, 0.3936, 0.3090



14.7137, 0.3847, 0.4250



14.7137, 0.2359, 0.3433

Rectangle

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



14.7137, 0.2399, 0.2406



14.7137, 0.3217, 0.2621



14.7137, 0.3847, 0.4250



14.7137, 0.2963, 0.4122

Sweetspot

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



14.7142, 0.2399, 0.2406



44.9634, 0.2925, 0.3064



25.9884, 0.2712, 0.3713



9.8786, 0.2892, 0.3026



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.



14.7142, 0.2399, 0.2406



21.3320, 0.2226, 0.2161



11.2597, 0.2449, 0.2005



6.3412, 0.2988, 0.3136



3.8598, 0.1640, 0.1105



0.1193, 0.1864, 0.1909

Inverse Universe

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



14.2335, 0.3867, 0.2920



21.0048, 0.4130, 0.2844



28.7580, 0.3639, 0.4393



6.2545, 0.3235, 0.3217



5.7949, 0.5604, 0.2861



0.0929, 0.4557, 0.2284

Previews

White Background



This preview shows how the Yxy color 14.7137, 0.2399, 0.2406 looks on a white background.

Color Contrast Check

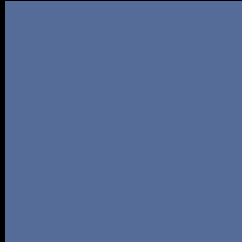
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7137, 0.2399, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

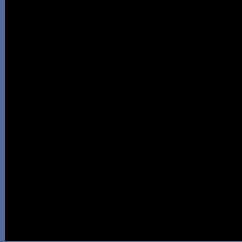
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

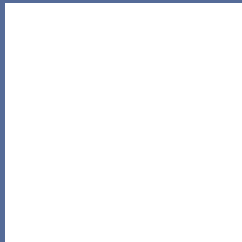
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.7137, 0.2399, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 14.7137, 0.2399, 0.2406.

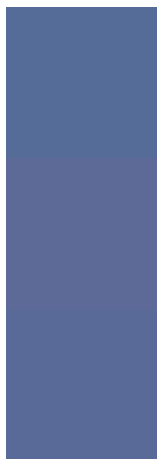


This preview shows how white text looks on a background with the Yxy color 14.7137, 0.2399, 0.2406.

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

14.7137, 0.2399, 0.2406

Protanopia

14.6647, 0.2479, 0.2399

Deuteranopia

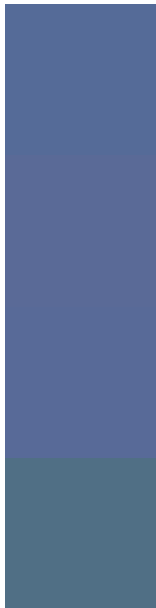
14.7487, 0.2443, 0.2396



Tritanopia

14.7932, 0.2606, 0.3090

Trichromacy



Original Color

14.7137, 0.2399, 0.2406

Protanomaly

14.7161, 0.2452, 0.2412

Deuteranomaly

14.6498, 0.2424, 0.2392

Tritanomaly

14.7678, 0.2527, 0.2822

Monochromacy



Original Color

14.7137, 0.2399, 0.2406

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.3348, 0.2816, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7137, 0.2399, 0.2406 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(85, 107, 152)` looks like.

```
.text, #text, p{  
    color:rgb(85, 107, 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(85, 107, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 152) }
```

Border

The CSS property to change the border of an element to Yxy 14.7137, 0.2399, 0.2406 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(85, 107, 152) }
```

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

```
.border{ border-color:rgb(85, 107, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 107, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 152);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7137, 0.2399, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 152) }
```

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

```
.background{ background-color: rgb(85, 107,  
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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