

Converting Colors

$Y_{xy}(12.9253, 0.2150, 0.2435)$

Have a look what the booklet for
Yxy(12.9253, 0.2150, 0.2435)
contains.

Yxy(12.9332, 0.2149, 0.2440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9332, 0.2149, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	2E6A91
RGB	46, 106, 145
RGB Percent	18%, 42%, 57%
CMY	0.8196, 0.5843, 0.4314
CMYK	0.68, 0.27, 0.00, 0.43
HSL	204°, 52%, 37%
HSV	204°, 68%, 57%
XYZ	11.3908, 12.9332, 28.6810
YIQ	92.5060, -48.2790, -0.5910

Conversions

Conversions Part 2

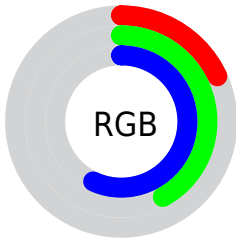
Format	Color
R_{YB}	46, 83, 145
Decimal	3041937
CIE _{Lab}	42.66, -6.34, -27.06
CIE _{LCh}	43, 27.797, 256.813
Yxy	12.9332, 0.2149, 0.2440
Android (android.graphics.Color)	4281232017 (0xFF2E6A91)
YUV	92.5060, 25.8795, -40.7858
Hunter-Lab	35.9628, -6.3972, -22.1109

Details

The Yxy color **12.9332, 0.2149, 0.2440** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.7110, 0.4765, 0.3929**, and the grayscale version is **10.7727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1210, 0.2377, 0.2645**, and **3.9361, 0.1919, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **11.5138, 0.2045, 0.2291**, and if you desaturate by 10%, it is **14.5456, 0.2270, 0.2587**.

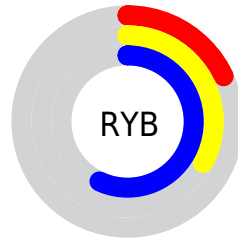
Distribution



Red (18%)

Green (42%)

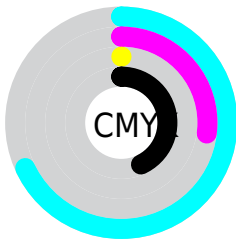
Blue (57%)



Red (18%)

Yellow (33%)

Blue (57%)

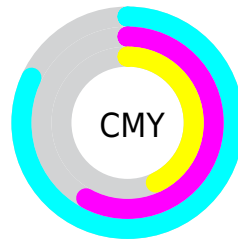


Cyan (68%)

Magenta (27%)

Yellow (0%)

Black (43%)



Cyan (82%)

Magenta (58%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9332, 0.2149, 0.2440 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 12.9332, 0.2149, 0.2440 by changing the saturation by 10% instead.

12.9332, 0.2149,
0.2440

12.9332, 0.2149,
0.2440

210.4891, 0.2718,
0.2946

7.3826, 0.1976,
0.2280

31.1837, 0.2378,
0.2647

3.7025, 0.1736,
0.2052

44.6524, 0.2457,
0.2718

1.5086, 0.1388,
0.1710

61.5292, 0.2521,
0.2775

0.2947, 0.0386,
0.0907

82.1986, 0.2574,
0.2821

0.0000, 0.0000,
0.0000

107.0448, 0.2619,
0.2860

136.4524, 0.2657,

0.2893

170.8057, 0.2690,
0.2922

■ 12.9332, 0.2149,
0.2440

■ 12.9332, 0.2149,
0.2440

■ 11.5138, 0.2045,
0.2291

■ 14.5456, 0.2270,
0.2587

■ 10.2727, 0.1960,
0.2143

■ 16.3615, 0.2405,
0.2728

■ 9.1837, 0.1893,
0.1997

■ 18.3919, 0.2549,
0.2863

■ 9.0052, 0.1881,
0.1972

■ 20.6466, 0.2699,
0.2989

■ 23.1345, 0.2852,
0.3105

■ 25.8641, 0.3004,
0.3210

■ 28.8433, 0.3153,
0.3306

■ 32.0796, 0.3297,
0.3391

■ 35.5802, 0.3435,
0.3467

Harmonies

Analogous

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



12.9332, 0.2068, 0.2751



12.9332, 0.2149, 0.2440



12.9332, 0.2463, 0.2360

Triad

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



12.9332, 0.2149, 0.2440



12.9332, 0.4096, 0.3192



12.9332, 0.3185, 0.4306

Complementary

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



12.9332, 0.2149, 0.2440



12.7110, 0.4765, 0.3929

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.



12.9332, 0.3753, 0.4351



12.9332, 0.2149, 0.2440



12.9332, 0.4315, 0.3652

Square

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



12.9332, 0.2149, 0.2440



12.9332, 0.3586, 0.2781



12.9332, 0.4176, 0.4079



12.9332, 0.2630, 0.3886

Rectangle

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



12.9332, 0.2149, 0.2440



12.9332, 0.2788, 0.2422



12.9332, 0.4176, 0.4079



12.9332, 0.3381, 0.4364

Sweetspot

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



12.9337, 0.2149, 0.2440



40.4455, 0.2819, 0.3081



21.4686, 0.2784, 0.4651



8.7461, 0.2781, 0.3052



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.9337, 0.2149, 0.2440



19.3761, 0.1996, 0.2210



5.6054, 0.1894, 0.1374



5.7645, 0.2990, 0.3201



7.7763, 0.1884, 0.1981



0.1174, 0.2063, 0.2626

Inverse Universe

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



9.0135, 0.3927, 0.2321



13.4748, 0.4196, 0.2229



23.1130, 0.4149, 0.4652



5.4755, 0.3193, 0.3157



5.7714, 0.4475, 0.2239



0.0595, 0.3799, 0.1866

Previews

White Background



This preview shows how the Yxy color 12.9332, 0.2149, 0.2440 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 12.9332, 0.2149, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

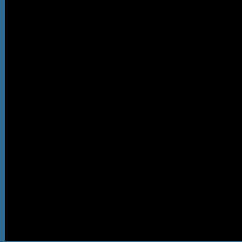
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9332, 0.2149, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 12.9332, 0.2149, 0.2440.

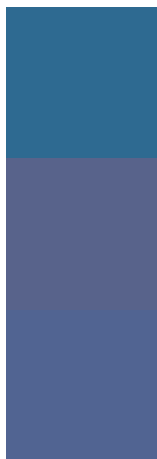


This preview shows how white text looks on a background with the Yxy color 12.9332, 0.2149, 0.2440.

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

12.9332, 0.2149, 0.2440

Protanopia

12.8625, 0.2517, 0.2463

Deuteranopia

12.9390, 0.2386, 0.2349



Tritanopia

12.9862, 0.2263, 0.3067

Trichromacy



Original Color

12.9332, 0.2149, 0.2440

Protanomaly

12.8423, 0.2359, 0.2461

Deuteranomaly

12.8070, 0.2276, 0.2365

Tritanomaly

12.8796, 0.2214, 0.2817

Monochromacy



Original Color

12.9332, 0.2149, 0.2440

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.4417, 0.2654, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9332, 0.2149, 0.2440 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(46, 106, 145)` looks like.

```
.text, #text, p{  
  color:rgb(46, 106, 145)  
}
```

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(46, 106, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 106, 145) }
```

Border

The CSS property to change the border of an element to Yxy 12.9332, 0.2149, 0.2440 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(46, 106, 145) }
```

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

```
.border{ border-color:rgb(46, 106, 145) }
```

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

Here you see how a box with a 4 pixel rgb(46, 106, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 106, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 106, 145);  
box-shadow:4px 4px 4px 4px rgb(46, 106,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9332, 0.2149, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 106, 145) }
```

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

```
.background{ background-color: rgb(46, 106,  
145) }
```

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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