

Converting Colors

$Y_{xy}(15.2166, 0.2112, 0.2354)$

Have a look what the booklet for
Yxy(15.2166, 0.2112, 0.2354)
contains.

Yxy(15.2608, 0.2113, 0.2351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.2608, 0.2113, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	3172A1
RGB	49, 114, 161
RGB Percent	19%, 45%, 63%
CMY	0.8078, 0.5529, 0.3687
CMYK	0.70, 0.29, 0.00, 0.37
HSL	205°, 53%, 41%
HSV	205°, 70%, 63%
XYZ	13.7159, 15.2608, 35.9353
YIQ	99.9230, -53.8270, 0.8370

Conversions

Conversions Part 2

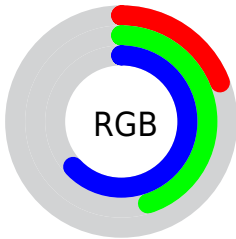
Format	Color
RYB	49, 90, 161
Decimal	3240609
CIELab	45.99, -4.94, -31.34
CIELCh	46, 31.722, 261.049
Yxy	15.2608, 0.2113, 0.2351
Android (android.graphics.Color)	4281430689 (0xFF3172A1)
YUV	99.9230, 30.1110, -44.6595
Hunter-Lab	39.0651, -5.6919, -27.1942

Details

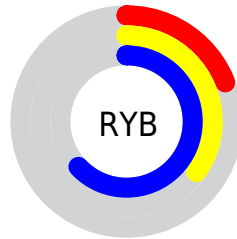
The Yxy color **15.2608, 0.2113, 0.2351** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.1608, 0.4787, 0.3981**, and the grayscale version is **12.6558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4184, 0.2339, 0.2571**, and **5.0006, 0.1891, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **13.4621, 0.2008, 0.2190**, and if you desaturate by 10%, it is **17.3161, 0.2236, 0.2510**.

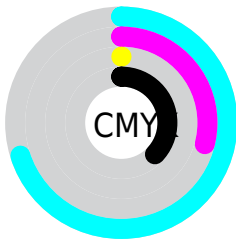
Distribution



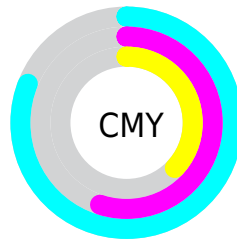
- Red (19%)
- Green (45%)
- Blue (63%)



- Red (19%)
- Yellow (35%)
- Blue (63%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (37%)



- Cyan (81%)
- Magenta (55%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2608, 0.2113, 0.2351 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 15.2608, 0.2113, 0.2351 by changing the saturation by 10% instead.

15.2608, 0.2113,
0.2351

15.2608, 0.2113,
0.2351

224.9394, 0.2688,
0.2893

9.0026, 0.1947,
0.2190

35.3101, 0.2339,
0.2566

4.7429, 0.1723,
0.1969

49.8699, 0.2418,
0.2642

2.0972, 0.1408,
0.1653

67.9658, 0.2484,
0.2703

0.6631, 0.0895,
0.1165

89.9821, 0.2538,
0.2754

0.0000, 0.0000,
0.0000

116.3032, 0.2584,
0.2797

147.3136, 0.2624,

0.2833

183.3975, 0.2658,
0.2865

■ 15.2608, 0.2113,
0.2351

■ 15.2608, 0.2113,
0.2351

■ 13.4621, 0.2008,
0.2190

■ 17.3161, 0.2236,
0.2510

■ 11.8998, 0.1923,
0.2031

■ 19.6424, 0.2374,
0.2664

■ 10.5368, 0.1856,
0.1876

■ 22.2547, 0.2521,
0.2811

■ 10.4799, 0.1853,
0.1870

■ 25.1659, 0.2674,
0.2948

■ 28.3883, 0.2829,
0.3075

■ 31.9332, 0.2983,
0.3190

■ 35.8113, 0.3134,
0.3294

■ 40.0327, 0.3279,
0.3387

■ 44.6070, 0.3418,
0.3470

Harmonies

Analogous

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



15.2608, 0.1991, 0.2643



15.2608, 0.2113, 0.2351



15.2608, 0.2480, 0.2302

Triad

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



15.2608, 0.2113, 0.2351



15.2608, 0.4231, 0.3248



15.2608, 0.3095, 0.4354

Complementary

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



15.2608, 0.2113, 0.2351



16.1608, 0.4787, 0.3981

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.



15.2608, 0.3714, 0.4453



15.2608, 0.2113, 0.2351



15.2608, 0.4409, 0.3738

Square

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



15.2608, 0.2113, 0.2351



15.2608, 0.3711, 0.2799



15.2608, 0.4204, 0.4187



15.2608, 0.2516, 0.3848

Rectangle

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



15.2608, 0.2113, 0.2351



15.2608, 0.2844, 0.2389



15.2608, 0.4204, 0.4187



15.2608, 0.3305, 0.4436

Sweetspot

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



15.2613, 0.2113, 0.2351



49.7489, 0.2800, 0.3053



26.9770, 0.2757, 0.4617



10.5795, 0.2760, 0.3021



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.



15.2613, 0.2113, 0.2351



22.6642, 0.1963, 0.2110



6.2857, 0.1847, 0.1258



7.5107, 0.2987, 0.3193



8.4531, 0.1856, 0.1882



0.2681, 0.2014, 0.2450

Inverse Universe

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



10.9876, 0.4018, 0.2344



16.5901, 0.4305, 0.2274



30.1426, 0.4135, 0.4717



7.1517, 0.3198, 0.3160



6.6975, 0.4588, 0.2301



0.1499, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 15.2608, 0.2113, 0.2351 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 15.2608, 0.2113, 0.2351 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

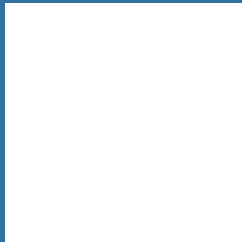
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.2608, 0.2113, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 15.2608, 0.2113, 0.2351.

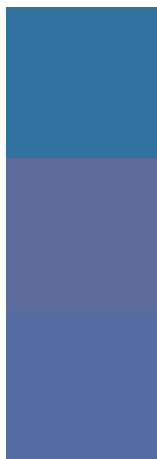


This preview shows how white text looks on a background with the Yxy color 15.2608, 0.2113, 0.2351.

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

15.2608, 0.2113, 0.2351

Protanopia

15.2091, 0.2451, 0.2376

Deuteranopia

15.2186, 0.2317, 0.2269



Tritanopia

15.2643, 0.2238, 0.3058

Trichromacy



Original Color

15.2608, 0.2113, 0.2351

Protanomaly

15.1640, 0.2303, 0.2372

Deuteranomaly

15.1001, 0.2223, 0.2284

Tritanomaly

15.2200, 0.2185, 0.2784

Monochromacy



Original Color

15.2608, 0.2113, 0.2351

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2576, 0.2625, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2608, 0.2113, 0.2351 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(49, 114, 161)` looks like.

```
.text, #text, p{  
  color:rgb(49, 114, 161)  
}
```

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(49, 114, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 114, 161) }
```

Border

The CSS property to change the border of an element to Yxy 15.2608, 0.2113, 0.2351 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(49, 114, 161) }
```

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

```
.border{ border-color:rgb(49, 114, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 114, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 114, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 114, 161);  
box-shadow:4px 4px 4px 4px rgb(49, 114,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2608, 0.2113, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 114, 161) }
```

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

```
.background{ background-color: rgb(49, 114,  
161) }
```

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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