

Converting Colors

$Y_{xy}(15.1505, 0.2171, 0.2496)$

Have a look what the booklet for
Yxy(15.1505, 0.2171, 0.2496)
contains.

Yxy(15.2652, 0.2175, 0.2507)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.2652, 0.2175, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	337399
RGB	51, 115, 153
RGB Percent	20%, 45%, 60%
CMY	0.8001, 0.5490, 0.4000
CMYK	0.67, 0.25, 0.00, 0.40
HSL	202°, 50%, 40%
HSV	202°, 67%, 60%
XYZ	13.2436, 15.2652, 32.3815
YIQ	100.1960, -50.3420, -1.7500

Conversions

Conversions Part 2

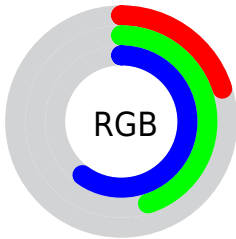
Format	Color
RYB	51, 90, 153
Decimal	3371929
CIELab	46.00, -8.01, -26.61
CIELCh	46, 27.788, 253.254
Yxy	15.2652, 0.2175, 0.2507
Android (android.graphics.Color)	4281562009 (0xFF337399)
YUV	100.1960, 26.0324, -43.1449
Hunter-Lab	39.0707, -7.8683, -21.7895

Details

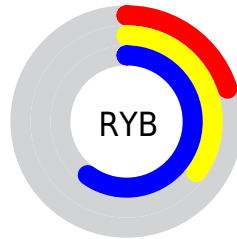
The Yxy color **15.2652, 0.2175, 0.2507** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.1466, 0.4754, 0.3887**, and the grayscale version is **12.7366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3796, 0.2385, 0.2688**, and **4.9736, 0.1943, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **13.6726, 0.2071, 0.2366**, and if you desaturate by 10%, it is **17.0699, 0.2296, 0.2645**.

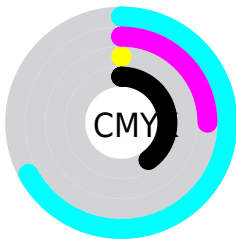
Distribution



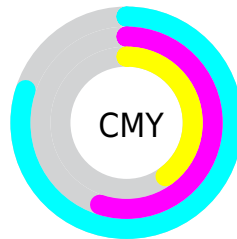
- Red (20%)
- Green (45%)
- Blue (60%)



- Red (20%)
- Yellow (35%)
- Blue (60%)



- Cyan (67%)
- Magenta (25%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2652, 0.2175, 0.2507 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 15.2652, 0.2175, 0.2507 by changing the saturation by 10% instead.

15.2652, 0.2175,
0.2507

15.2652, 0.2175,
0.2507

224.9658, 0.2717,
0.2966

9.0057, 0.2016,
0.2366

35.3178, 0.2389,
0.2693

4.7449, 0.1798,
0.2167

49.8796, 0.2464,
0.2756

2.0984, 0.1487,
0.1872

67.9777, 0.2526,
0.2808

0.6637, 0.0915,
0.1395

89.9965, 0.2577,
0.2851

0.0000, 0.0000,
0.0000

116.3203, 0.2620,
0.2887

147.3335, 0.2657,

0.2917

183.4206, 0.2689,
0.2943

■ 15.2652, 0.2175,
0.2507

■ 15.2652, 0.2175,
0.2507

■ 13.6726, 0.2071,
0.2366

■ 17.0699, 0.2296,
0.2645

■ 12.2757, 0.1986,
0.2226

■ 19.0980, 0.2430,
0.2778

■ 11.0528, 0.1921,
0.2087

■ 21.3618, 0.2574,
0.2904

■ 10.6714, 0.1900,
0.2041

■ 23.8720, 0.2723,
0.3022

■ 26.6385, 0.2875,
0.3131

■ 29.6706, 0.3027,
0.3229

■ 32.9770, 0.3176,
0.3318

■ 36.5660, 0.3321,
0.3398

■ 40.4455, 0.3459,
0.3469

Harmonies

Analogous

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



15.2652, 0.2125, 0.2832



15.2652, 0.2175, 0.2507



15.2652, 0.2451, 0.2403

Triad

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



15.2652, 0.2175, 0.2507



15.2652, 0.3998, 0.3150



15.2652, 0.3252, 0.4271

Complementary

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



15.2652, 0.2175, 0.2507



14.1466, 0.4754, 0.3887

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.



15.2652, 0.3782, 0.4277



15.2652, 0.2175, 0.2507



15.2652, 0.4244, 0.3587

Square

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



15.2652, 0.2175, 0.2507



15.2652, 0.3495, 0.2766



15.2652, 0.4154, 0.4000



15.2652, 0.2715, 0.3913

Rectangle

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



15.2652, 0.2175, 0.2507



15.2652, 0.2747, 0.2447



15.2652, 0.4154, 0.4000



15.2652, 0.3437, 0.4312

Sweetspot

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



15.2657, 0.2175, 0.2507



45.8205, 0.2819, 0.3092



24.1934, 0.2797, 0.4658



9.8368, 0.2780, 0.3064



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.



15.2657, 0.2175, 0.2507



23.2226, 0.2027, 0.2297



6.7338, 0.1924, 0.1443



6.6397, 0.2989, 0.3205



8.8861, 0.1903, 0.2051



0.2022, 0.2069, 0.2649

Inverse Universe

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



10.3741, 0.3861, 0.2301



15.5147, 0.4103, 0.2196



25.5880, 0.4151, 0.4614



6.2846, 0.3191, 0.3151



6.3024, 0.4395, 0.2195



0.1012, 0.3777, 0.1854

Previews

White Background



This preview shows how the Yxy color 15.2652, 0.2175, 0.2507 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 15.2652, 0.2175, 0.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

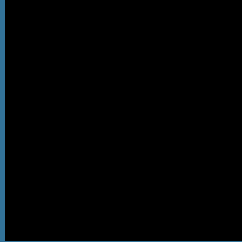
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.2652, 0.2175, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 15.2652, 0.2175, 0.2507.

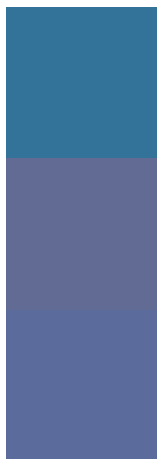


This preview shows how white text looks on a background with the Yxy color 15.2652, 0.2175, 0.2507.

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

15.2652, 0.2175, 0.2507

Protanopia

15.1634, 0.2561, 0.2513

Deuteranopia

15.1061, 0.2431, 0.2371



Tritanopia

15.1719, 0.2283, 0.3059

Trichromacy



Original Color

15.2652, 0.2175, 0.2507

Protanomaly

15.0273, 0.2388, 0.2508

Deuteranomaly

15.0215, 0.2316, 0.2418

Tritanomaly

15.2841, 0.2240, 0.2848

Monochromacy



Original Color

15.2652, 0.2175, 0.2507

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.2289, 0.2667, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2652, 0.2175, 0.2507 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(51, 115, 153)` looks like.

```
.text, #text, p{  
    color:rgb(51, 115, 153)  
}
```

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(51, 115, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 115, 153) }
```

Border

The CSS property to change the border of an element to Yxy 15.2652, 0.2175, 0.2507 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(51, 115, 153) }
```

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

```
.border{ border-color:rgb(51, 115, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 115, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 115, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 115, 153);  
box-shadow:4px 4px 4px 4px rgb(51, 115,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2652, 0.2175, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 115, 153) }
```

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

```
.background{ background-color: rgb(51, 115,  
153) }
```

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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