

Converting Colors

$Y_{xy}(15.0945, 0.2144, 0.2446)$

Have a look what the booklet for
Yxy(15.0945, 0.2144, 0.2446)
contains.

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Color

Yxy(15.0542, 0.2147, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	31729B
RGB	49, 114, 155
RGB Percent	19%, 45%, 61%
CMY	0.8081, 0.5529, 0.3922
CMYK	0.68, 0.26, 0.00, 0.39
HSL	203°, 52%, 40%
HSV	203°, 68%, 61%
XYZ	13.1978, 15.0542, 33.2188
YIQ	99.2390, -51.9010, -1.0290

Conversions

Conversions Part 2

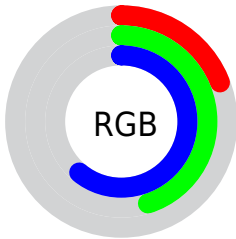
Format	Color
R_{YB}	49, 89, 155
Decimal	3240603
CIE _{Lab}	45.71, -7.07, -28.25
CIE _{LCh}	46, 29.117, 255.949
Yxy	15.0542, 0.2147, 0.2449
Android (android.graphics.Color)	4281430683 (0xFF31729B)
YUV	99.2390, 27.4902, -44.0596
Hunter-Lab	38.7997, -7.1825, -23.6020

Details

The Yxy color **15.0542, 0.2147, 0.2449** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.4899, 0.4793, 0.3919**, and the grayscale version is **12.4766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0514, 0.2365, 0.2646**, and **4.8959, 0.1921, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **13.4263, 0.2044, 0.2302**, and if you desaturate by 10%, it is **16.9041, 0.2267, 0.2594**.

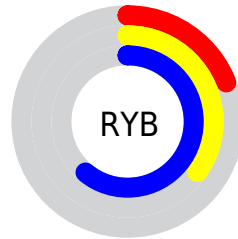
Distribution



Red (19%)

Green (45%)

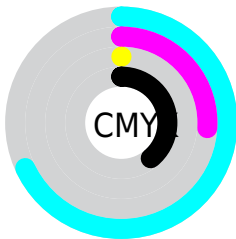
Blue (61%)



Red (19%)

Yellow (35%)

Blue (61%)

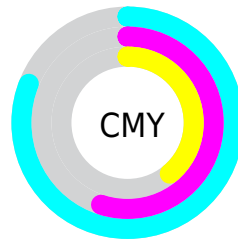


Cyan (68%)

Magenta (26%)

Yellow (0%)

Black (39%)



Cyan (81%)

Magenta (55%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0542, 0.2147, 0.2449 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 15.0542, 0.2147, 0.2449 by changing the saturation by 10% instead.

15.0542, 0.2147,
0.2449

15.0542, 0.2147,
0.2449

223.6940, 0.2705,
0.2940

8.8574, 0.1984,
0.2299

34.9482, 0.2367,
0.2647

4.6483, 0.1761,
0.2090

49.4143, 0.2445,
0.2715

2.0424, 0.1445,
0.1783

67.4056, 0.2508,
0.2770

0.6319, 0.0871,
0.1286

89.3065, 0.2561,
0.2816

0.0000, 0.0000,
0.0000

115.5014, 0.2605,
0.2855

146.3747, 0.2643,

0.2888

182.3108, 0.2676,
0.2916

■ 15.0542, 0.2147,
0.2449

■ 15.0542, 0.2147,
0.2449

■ 13.4263, 0.2044,
0.2302

■ 16.9041, 0.2267,
0.2594

■ 12.0029, 0.1961,
0.2156

■ 18.9885, 0.2401,
0.2734

■ 10.7550, 0.1896,
0.2013

■ 21.3201, 0.2545,
0.2867

■ 10.5680, 0.1886,
0.1990

■ 23.9105, 0.2695,
0.2991

■ 26.7701, 0.2848,
0.3105

■ 29.9088, 0.3001,
0.3210

■ 33.3359, 0.3151,
0.3304

■ 37.0601, 0.3296,
0.3389

■ 41.0898, 0.3435,
0.3464

Harmonies

Analogous

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



15.0542, 0.2073, 0.2766



15.0542, 0.2147, 0.2449



15.0542, 0.2454, 0.2362

Triad

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



15.0542, 0.2147, 0.2449



15.0542, 0.4081, 0.3180



15.0542, 0.3202, 0.4308

Complementary

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



15.0542, 0.2147, 0.2449



14.4899, 0.4793, 0.3919

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.



15.0542, 0.3766, 0.4342



15.0542, 0.2147, 0.2449



15.0542, 0.4309, 0.3638

Square

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



15.0542, 0.2147, 0.2449



15.0542, 0.3567, 0.2772



15.0542, 0.4180, 0.4065



15.0542, 0.2646, 0.3899

Rectangle

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



15.0542, 0.2147, 0.2449



15.0542, 0.2774, 0.2421



15.0542, 0.4180, 0.4065



15.0542, 0.3397, 0.4362

Sweetspot

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



15.0547, 0.2147, 0.2449



46.3641, 0.2802, 0.3072



24.8245, 0.2783, 0.4664



10.1958, 0.2763, 0.3043



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



15.0547, 0.2147, 0.2449



22.6830, 0.1999, 0.2226



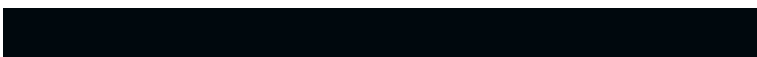
6.3891, 0.1885, 0.1359



6.6253, 0.2989, 0.3202



8.5640, 0.1889, 0.2002



0.1982, 0.2061, 0.2620

Inverse Universe

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



10.3751, 0.3921, 0.2305



15.5813, 0.4181, 0.2215



26.7217, 0.4156, 0.4659



6.2832, 0.3193, 0.3154



6.2698, 0.4451, 0.2226



0.1008, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 15.0542, 0.2147, 0.2449 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 15.0542, 0.2147, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

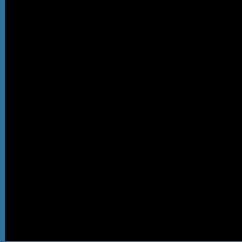
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0542, 0.2147, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 15.0542, 0.2147, 0.2449.

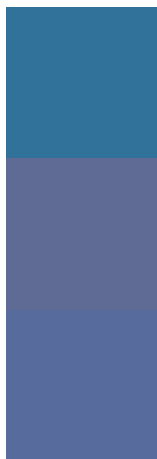


This preview shows how white text looks on a background with the Yxy color 15.0542, 0.2147, 0.2449.

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

15.0542, 0.2147, 0.2449

Protanopia

14.9109, 0.2520, 0.2456

Deuteranopia

15.0244, 0.2387, 0.2334



Tritanopia

15.0699, 0.2257, 0.3058

Trichromacy



Original Color

15.0542, 0.2147, 0.2449

Protanomaly

14.7913, 0.2351, 0.2450

Deuteranomaly

15.0080, 0.2286, 0.2382

Tritanomaly

14.9696, 0.2215, 0.2823

Monochromacy



Original Color

15.0542, 0.2147, 0.2449

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.9819, 0.2653, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0542, 0.2147, 0.2449 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, 155)` looks like.

```
.text, #text, p{  
  color:rgb(49, 114, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 114, 155) }
```

Border

The CSS property to change the border of an element to Yxy 15.0542, 0.2147, 0.2449 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, 155) }
```

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

```
.border{ border-color:rgb(49, 114, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 114, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 114, 155);  
box-shadow:4px 4px 4px 4px rgb(49, 114,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0542, 0.2147, 0.2449 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, 155) }
```

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

```
.background{ background-color: rgb(49, 114,  
155) }
```

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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