

Converting Colors

$Y_{xy}(15.2687, 0.2131, 0.2528)$

Have a look what the booklet for
Yxy(15.2687, 0.2131, 0.2528)
contains.

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Color

Yxy(15.2418, 0.2127, 0.2519)

Conversions

Conversions Part 1

Format	Color
Hex	287499
RGB	40, 116, 153
RGB Percent	16%, 45%, 60%
CMY	0.8430, 0.5451, 0.4000
CMYK	0.74, 0.24, 0.00, 0.40
HSL	200°, 59%, 38%
HSV	200°, 74%, 60%
XYZ	12.8699, 15.2418, 32.3956
YIQ	97.4940, -57.1730, -4.6050

Conversions

Conversions Part 2

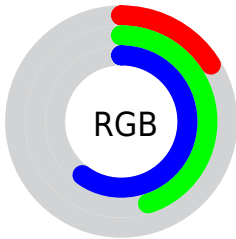
Format	Color
R_{YB}	40, 85, 153
Decimal	2651289
CIE _{Lab}	45.96, -10.33, -26.68
CIE _{LCh}	46, 28.614, 248.835
Yxy	15.2418, 0.2127, 0.2519
Android (android.graphics.Color)	4280841369 (0xFF287499)
YUV	97.4940, 27.3645, -50.4222
Hunter-Lab	39.0407, -9.4782, -21.8697

Details

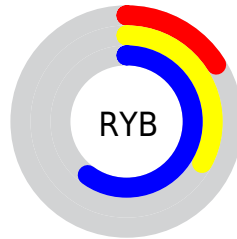
The Yxy color **15.2418, 0.2127, 0.2519** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.2338, 0.5066, 0.3832**, and the grayscale version is **12.0255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2770, 0.2354, 0.2711**, and **5.0936, 0.1952, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **13.8700, 0.2043, 0.2396**, and if you desaturate by 10%, it is **16.7983, 0.2229, 0.2641**.

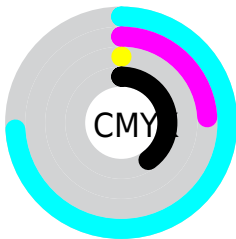
Distribution



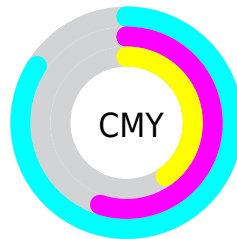
- Red (16%)
- Green (45%)
- Blue (60%)



- Red (16%)
- Yellow (33%)
- Blue (60%)



- Cyan (74%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)



- Cyan (84%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2418, 0.2127, 0.2519 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 15.2418, 0.2127, 0.2519 by changing the saturation by 10% instead.

■ 15.2418, 0.2127,
0.2519

■ 15.2418, 0.2127,
0.2519

■ 224.8251, 0.2695,
0.2974

■ 8.9893, 0.1962,
0.2378

■ 35.2768, 0.2351,
0.2703

■ 4.7342, 0.1736,
0.2179

■ 49.8281, 0.2429,
0.2767

■ 2.0922, 0.1416,
0.1882

■ 67.9144, 0.2494,
0.2818

■ 0.6602, 0.0799,
0.1406

■ 89.9201, 0.2548,
0.2860

■ 0.0000, 0.0000,
0.0000

■ 116.2296, 0.2593,
0.2895

■ 147.2274, 0.2632,

0.2925

183.2978, 0.2665,
0.2951

■ 15.2418, 0.2127,
0.2519

■ 15.2418, 0.2127,
0.2519

■ 13.8700, 0.2043,
0.2396

■ 16.7983, 0.2229,
0.2641

■ 12.6650, 0.1979,
0.2275

■ 18.5517, 0.2348,
0.2760

■ 11.9797, 0.1945,
0.2200

■ 20.5147, 0.2480,
0.2874

■ 22.6981, 0.2621,
0.2982

■ 25.1119, 0.2769,
0.3083

■ 27.7656, 0.2919,
0.3176

■ 30.6677, 0.3070,
0.3260

■ 33.8266, 0.3218,
0.3336

■ 37.2499, 0.3363,
0.3404

Harmonies

Analogous

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



15.2418, 0.2111, 0.2885



15.2418, 0.2127, 0.2519



15.2418, 0.2376, 0.2381

Triad

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



15.2418, 0.2127, 0.2519



15.2418, 0.3961, 0.3081



15.2418, 0.3338, 0.4327

Complementary

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



15.2418, 0.2127, 0.2519



12.2338, 0.5066, 0.3832

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.



15.2418, 0.3869, 0.4279



15.2418, 0.2127, 0.2519



15.2418, 0.4262, 0.3526

Square

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



15.2418, 0.2127, 0.2519



15.2418, 0.3417, 0.2702



15.2418, 0.4218, 0.3961



15.2418, 0.2777, 0.4007

Rectangle

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



15.2418, 0.2127, 0.2519



15.2418, 0.2661, 0.2407



15.2418, 0.4218, 0.3961



15.2418, 0.3526, 0.4350

Sweetspot

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



15.2423, 0.2127, 0.2519



45.6209, 0.2790, 0.3096



23.7495, 0.2827, 0.4950



9.8286, 0.2753, 0.3073



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.



15.2423, 0.2127, 0.2519



23.3201, 0.1997, 0.2312



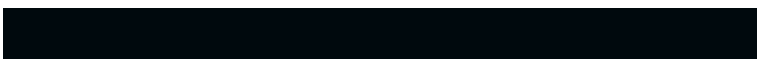
6.0602, 0.1832, 0.1341



6.6854, 0.2989, 0.3215



9.9649, 0.1947, 0.2209



0.2146, 0.2094, 0.2737

Inverse Universe

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



9.5514, 0.3868, 0.2167



14.6189, 0.4104, 0.2097



23.5028, 0.4301, 0.4635



6.2892, 0.3184, 0.3141



6.4113, 0.4223, 0.2100



0.1025, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 15.2418, 0.2127, 0.2519 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 15.2418, 0.2127, 0.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

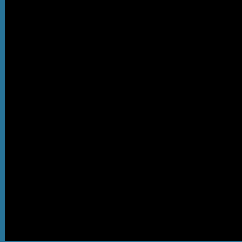
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2418, 0.2127, 0.2519

Background



This preview shows how black text looks on a background with the Yxy color 15.2418, 0.2127, 0.2519.



This preview shows how white text looks on a background with the Yxy color 15.2418, 0.2127, 0.2519.

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

15.2418, 0.2127, 0.2519

Protanopia

15.1321, 0.2571, 0.2530

Deuteranopia

15.1061, 0.2431, 0.2371



Tritanopia

15.1638, 0.2213, 0.3057

Trichromacy



Original Color

15.2418, 0.2127, 0.2519

Protanomaly

14.8583, 0.2354, 0.2501

Deuteranomaly

14.8627, 0.2284, 0.2411

Tritanomaly

15.2353, 0.2178, 0.2864

Monochromacy



Original Color

15.2418, 0.2127, 0.2519

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.9889, 0.2622, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2418, 0.2127, 0.2519 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(40, 116, 153)` looks like.

```
.text, #text, p{  
  color:rgb(40, 116, 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(40, 116, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 116, 153) }
```

Border

The CSS property to change the border of an element to Yxy 15.2418, 0.2127, 0.2519 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(40, 116, 153) }
```

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

```
.border{ border-color:rgb(40, 116, 153) }
```

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

Here you see how a box with a 4 pixel rgb(40, 116, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 116, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 116, 153);  
box-shadow:4px 4px 4px 4px rgb(40, 116,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2418, 0.2127, 0.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 116, 153) }
```

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

```
.background{ background-color: rgb(40, 116,  
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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