

Converting Colors

$Y_{xy}(15.3081, 0.2167, 0.2572)$

Have a look what the booklet for
Yxy(15.3081, 0.2167, 0.2572)
contains.

Yxy(15.2507, 0.2167, 0.2576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.2507, 0.2167, 0.2576)$

Conversions

Conversions Part 1

Format	Color
Hex	2D7496
RGB	45, 116, 150
RGB Percent	18%, 45%, 59%
CMY	0.8239, 0.5451, 0.4117
CMYK	0.70, 0.23, 0.00, 0.41
HSL	199°, 54%, 38%
HSV	199°, 70%, 59%
XYZ	12.8293, 15.2507, 31.1230
YIQ	98.6470, -53.2300, -4.4780

Conversions

Conversions Part 2

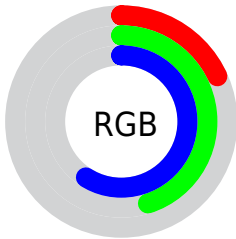
Format	Color
R_{YB}	45, 87, 150
Decimal	2978966
CIE _{Lab}	45.98, -10.65, -24.89
CIE _{LCh}	46, 27.075, 246.829
Yxy	15.2507, 0.2167, 0.2576
Android (android.graphics.Color)	4281169046 (0xFF2D7496)
YUV	98.6470, 25.3170, -47.0484
Hunter-Lab	39.0521, -9.7010, -19.9153

Details

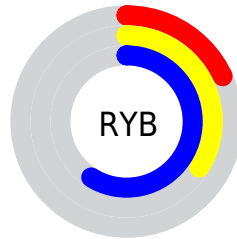
The Yxy color **15.2507, 0.2167, 0.2576** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.2493, 0.4936, 0.3817**, and the grayscale version is **12.3233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3080, 0.2387, 0.2753**, and **5.0351, 0.1972, 0.2299** is the 20% darker color. If you saturate the color by 10%, you get **13.8806, 0.2076, 0.2455**, and if you desaturate by 10%, it is **16.8011, 0.2275, 0.2695**.

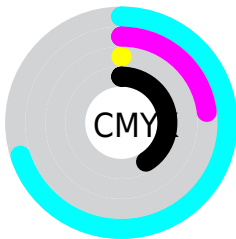
Distribution



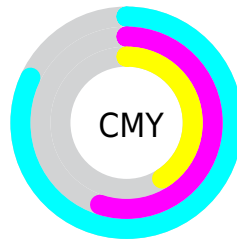
- Red (18%)
- Green (45%)
- Blue (59%)



- Red (18%)
- Yellow (34%)
- Blue (59%)



- Cyan (70%)
- Magenta (23%)
- Yellow (0%)
- Black (41%)



- Cyan (82%)
- Magenta (55%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2507, 0.2167, 0.2576 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 15.2507, 0.2167, 0.2576 by changing the saturation by 10% instead.

■ 15.2507, 0.2167,
0.2576

■ 15.2507, 0.2167,
0.2576

■ 224.8787, 0.2714,
0.2999

■ 8.9955, 0.2007,
0.2443

■ 35.2924, 0.2383,
0.2748

■ 4.7383, 0.1786,
0.2255

■ 49.8477, 0.2459,
0.2807

■ 2.0945, 0.1471,
0.1970

■ 67.9385, 0.2521,
0.2855

■ 0.6615, 0.0838,
0.1504

■ 89.9492, 0.2572,
0.2894

■ 0.0000, 0.0000,
0.0000

■ 116.2641, 0.2616,
0.2927

■ 147.2678, 0.2653,

0.2954

183.3445, 0.2686,
0.2978

■ 15.2507, 0.2167,
0.2576

■ 15.2507, 0.2167,
0.2576

■ 13.8806, 0.2076,
0.2455

■ 16.8011, 0.2275,
0.2695

■ 12.6748, 0.2005,
0.2335

■ 18.5427, 0.2399,
0.2811

■ 11.6052, 0.1949,
0.2216

■ 20.4869, 0.2534,
0.2921

■ 22.6439, 0.2677,
0.3025

■ 25.0227, 0.2826,
0.3121

■ 27.6321, 0.2976,
0.3209

■ 30.4801, 0.3126,
0.3289

■ 33.5744, 0.3273,
0.3361

■ 36.9221, 0.3416,
0.3426

Harmonies

Analogous

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



15.2507, 0.2168, 0.2940



15.2507, 0.2167, 0.2576



15.2507, 0.2391, 0.2427

Triad

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



15.2507, 0.2167, 0.2576



15.2507, 0.3887, 0.3067



15.2507, 0.3367, 0.4275

Complementary

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



15.2507, 0.2167, 0.2576



12.2493, 0.4936, 0.3817

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.



15.2507, 0.3862, 0.4214



15.2507, 0.2167, 0.2576



15.2507, 0.4192, 0.3490

Square

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



15.2507, 0.2167, 0.2576



15.2507, 0.3365, 0.2710



15.2507, 0.4175, 0.3906



15.2507, 0.2831, 0.3995

Rectangle

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



15.2507, 0.2167, 0.2576



15.2507, 0.2655, 0.2443



15.2507, 0.4175, 0.3906



15.2507, 0.3544, 0.4291

Sweetspot

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



15.2512, 0.2167, 0.2576



43.5690, 0.2806, 0.3109



22.9222, 0.2829, 0.4851



9.4207, 0.2769, 0.3085



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.2512, 0.2167, 0.2576



23.2720, 0.2034, 0.2388



6.4435, 0.1892, 0.1447



6.2492, 0.2990, 0.3217



9.6843, 0.1951, 0.2225



0.1722, 0.2102, 0.2767

Inverse Universe

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



9.6147, 0.3806, 0.2196



14.3509, 0.4019, 0.2097



22.8345, 0.4249, 0.4592



5.8776, 0.3183, 0.3141



6.1710, 0.4206, 0.2091



0.0809, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 15.2507, 0.2167, 0.2576 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 15.2507, 0.2167, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

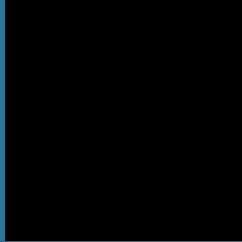
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2507, 0.2167, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 15.2507, 0.2167, 0.2576.

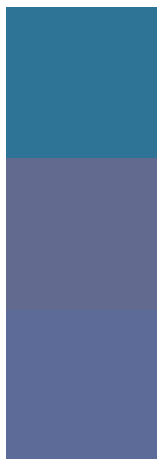


This preview shows how white text looks on a background with the Yxy color 15.2507, 0.2167, 0.2576.

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

15.2507, 0.2167, 0.2576

Protanopia

15.0952, 0.2610, 0.2583

Deuteranopia

15.1095, 0.2476, 0.2423



Tritanopia

15.2939, 0.2259, 0.3081

Trichromacy



Original Color

15.2507, 0.2167, 0.2576

Protanomaly

14.8894, 0.2403, 0.2558

Deuteranomaly

14.9227, 0.2338, 0.2467

Tritanomaly

15.3571, 0.2220, 0.2888

Monochromacy



Original Color

15.2507, 0.2167, 0.2576

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.0734, 0.2644, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2507, 0.2167, 0.2576 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(45, 116, 150)` looks like.

```
.text, #text, p{  
    color:rgb(45, 116, 150)  
}
```

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(45, 116, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 116, 150) }
```

Border

The CSS property to change the border of an element to Yxy 15.2507, 0.2167, 0.2576 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(45, 116, 150) }
```

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

```
.border{ border-color:rgb(45, 116, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 116, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 116, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 116, 150);  
box-shadow:4px 4px 4px 4px rgb(45, 116,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2507, 0.2167, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 116, 150) }
```

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

```
.background{ background-color: rgb(45, 116,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor