

Converting Colors

$Y_{xy}(15.2105, 0.2272, 0.2829)$

Have a look what the booklet for
Yxy(15.2105, 0.2272, 0.2829)
contains.

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Color

Yxy(15.2105, 0.2272, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	31758A
RGB	49, 117, 138
RGB Percent	19%, 46%, 54%
CMY	0.8078, 0.5412, 0.4588
CMYK	0.64, 0.15, 0.00, 0.46
HSL	194°, 48%, 37%
HSV	194°, 64%, 54%
XYZ	12.2157, 15.2105, 26.3401
YIQ	99.0620, -47.2690, -7.8850

Conversions

Conversions Part 2

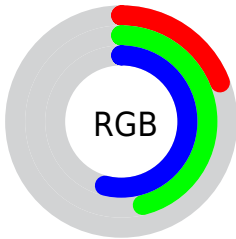
Format	Color
R_{YB}	49, 88, 138
Decimal	3241354
CIE _{Lab}	45.92, -14.57, -17.86
CIE _{LCh}	46, 23.051, 230.780
Yxy	15.2105, 0.2272, 0.2829
Android (android.graphics.Color)	4281431434 (0xFF31758A)
YUV	99.0620, 19.1964, -43.9044
Hunter-Lab	39.0006, -12.3417, -12.7427




Details

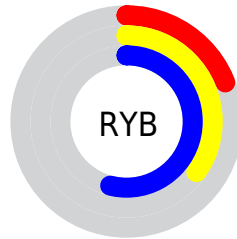
The Yxy color **15.2105, 0.2272, 0.2829** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0073, 0.4832, 0.3656**, and the grayscale version is **12.4539, 0.3127, 0.3290**.




A 20% lighter version of the original color is **35.1408, 0.2470, 0.2951**, and **4.9608, 0.2065, 0.2634** is the 20% darker color. If you saturate the color by 10%, you get **14.1729, 0.2184, 0.2745**, and if you desaturate by 10%, it is **16.3807, 0.2377, 0.2912**.

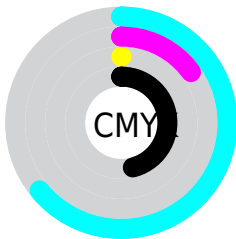
Distribution







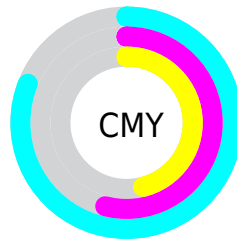
-  Red (19%)
-  Green (46%)
-  Blue (54%)






-  Red (19%)
-  Yellow (35%)
-  Blue (54%)



-  Cyan (64%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (46%)



-  Cyan (81%)
-  Magenta (54%)
-  Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2105, 0.2272, 0.2829 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 15.2105, 0.2272, 0.2829 by changing the saturation by 10% instead.

15.2105, 0.2272,
0.2829

15.2105, 0.2272,
0.2829

224.6368, 0.2763,
0.3110

8.9673, 0.2124,
0.2735

35.2220, 0.2468,
0.2947

4.7198, 0.1918,
0.2597

49.7591, 0.2536,
0.2986

2.0838, 0.1614,
0.2376

67.8296, 0.2591,
0.3017

0.6555, 0.0818,
0.2005

89.8179, 0.2637,
0.3042

0.0000, 0.0000,
0.0000

116.1083, 0.2676,
0.3064

147.0854, 0.2709,

0.3081

183.1334, 0.2738,
0.3097

■ 15.2105, 0.2272,
0.2829

■ 15.2105, 0.2272,
0.2829

■ 14.1729, 0.2184,
0.2745

■ 16.3807, 0.2377,
0.2912

■ 13.2561, 0.2114,
0.2660

■ 17.6908, 0.2496,
0.2991

■ 12.4474, 0.2061,
0.2575

■ 19.1494, 0.2627,
0.3067

■ 12.0273, 0.2036,
0.2528

■ 20.7640, 0.2767,
0.3138

■ 22.5412, 0.2912,
0.3204

■ 24.4876, 0.3060,
0.3265

■ 26.6089, 0.3209,
0.3320

■ 28.9110, 0.3356,
0.3369

■ 31.3992, 0.3499,
0.3413

Harmonies

Analogous

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



15.2105, 0.2384, 0.3229



15.2105, 0.2272, 0.2829



15.2105, 0.2364, 0.2594

Triad

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



15.2105, 0.2272, 0.2829



15.2105, 0.3552, 0.2923



15.2105, 0.3578, 0.4133

Complementary

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



15.2105, 0.2272, 0.2829



10.0073, 0.4832, 0.3656

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.



15.2105, 0.3929, 0.3967



15.2105, 0.2272, 0.2829



15.2105, 0.3925, 0.3271

Square

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



15.2105, 0.2272, 0.2829



15.2105, 0.3076, 0.2665



15.2105, 0.4063, 0.3645



15.2105, 0.3122, 0.4043

Rectangle

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



15.2105, 0.2272, 0.2829



15.2105, 0.2534, 0.2540



15.2105, 0.4063, 0.3645



15.2105, 0.3713, 0.4102

Sweetspot

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



15.2111, 0.2272, 0.2829



38.1520, 0.2840, 0.3173



19.2720, 0.2893, 0.4867



8.3843, 0.2804, 0.3156



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



15.2111, 0.2272, 0.2829



24.2830, 0.2152, 0.2709



7.2188, 0.2032, 0.1785



5.4919, 0.2991, 0.3237



11.0487, 0.2037, 0.2531



0.0958, 0.2146, 0.2926

Inverse Universe

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



8.8852, 0.3569, 0.2144



13.1911, 0.3699, 0.1995



17.7223, 0.4247, 0.4405



5.1091, 0.3170, 0.3124



5.8996, 0.3891, 0.1917



0.0414, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 15.2105, 0.2272, 0.2829 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 15.2105, 0.2272, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

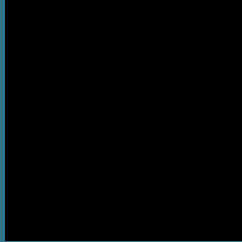
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2105, 0.2272, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 15.2105, 0.2272, 0.2829.



This preview shows how white text looks on a background with the Yxy color 15.2105, 0.2272, 0.2829.

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

15.2105, 0.2272, 0.2829

Protanopia

15.0376, 0.2790, 0.2807

Deuteranopia

15.0263, 0.2682, 0.2623



Tritanopia

15.2876, 0.2326, 0.3083

Trichromacy



Original Color

15.2105, 0.2272, 0.2829

Protanomaly

14.9291, 0.2548, 0.2806

Deuteranomaly

14.8549, 0.2500, 0.2690

Tritanomaly

15.2037, 0.2303, 0.2974

Monochromacy



Original Color

15.2105, 0.2272, 0.2829

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.2497, 0.2722, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2105, 0.2272, 0.2829 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, 117, 138)` looks like.

```
.text, #text, p{  
    color:rgb(49, 117, 138)  
}
```

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, 117, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 117, 138) }
```

Border

The CSS property to change the border of an element to Yxy 15.2105, 0.2272, 0.2829 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, 117, 138) }
```

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

```
.border{ border-color:rgb(49, 117, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 117, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 117, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 117, 138);  
box-shadow:4px 4px 4px 4px rgb(49, 117,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2105, 0.2272, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 117, 138) }
```

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

```
.background{ background-color: rgb(49, 117,  
138) }
```

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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