

Converting Colors

$Y_{xy}(10.8348, 0.2147, 0.2129)$

Have a look what the booklet for
Yxy(10.8348, 0.2147, 0.2129)
contains.

Yxy(10.8348, 0.2147, 0.2129)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.8348, 0.2147, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	3A5D93
RGB	58, 93, 147
RGB Percent	23%, 36%, 58%
CMY	0.7726, 0.6353, 0.4234
CMYK	0.61, 0.37, 0.00, 0.42
HSL	216°, 43%, 40%
HSV	216°, 61%, 58%
XYZ	10.9264, 10.8348, 29.1303
YIQ	88.6910, -38.1940, 9.3740

Conversions

Conversions Part 2

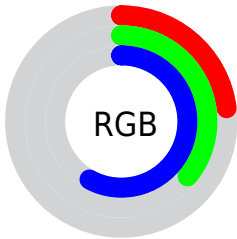
Format	Color
R_{YB}	58, 83, 147
Decimal	3825043
CIE _{Lab}	39.30, 4.75, -33.53
CIE _{LCh}	39, 33.861, 278.067
Yxy	10.8348, 0.2147, 0.2129
Android (android.graphics.Color)	4282015123 (0xFF3A5D93)
YUV	88.6910, 28.7463, -26.9160
Hunter-Lab	32.9163, 1.6488, -29.4292

Details

The Yxy color **10.8348, 0.2147, 0.2129** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.1011, 0.4303, 0.4189**, and the grayscale version is **9.8595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3727, 0.2391, 0.2408**, and **2.9584, 0.1800, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **8.9801, 0.1999, 0.1899**, and if you desaturate by 10%, it is **12.9988, 0.2308, 0.2355**.

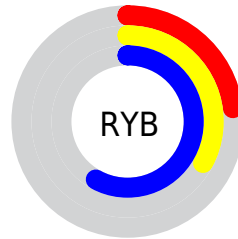
Distribution



Red (23%)

Green (36%)

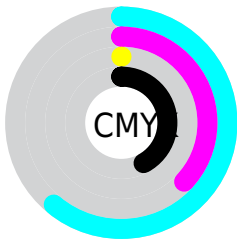
Blue (58%)



Red (23%)

Yellow (33%)

Blue (58%)

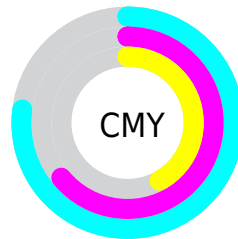


Cyan (61%)

Magenta (37%)

Yellow (0%)

Black (42%)



Cyan (77%)

Magenta (64%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8348, 0.2147, 0.2129 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 10.8348, 0.2147, 0.2129 by changing the saturation by 10% instead.

■ 10.8348, 0.2147,
0.2129

■ 10.8348, 0.2147,
0.2129

196.5306, 0.2732,
0.2810

■ 5.9559, 0.1964,
0.1923

■ 27.3543, 0.2386,
0.2403

■ 2.8183, 0.1708,
0.1638

■ 39.7636, 0.2467,
0.2498

■ 1.0376, 0.1333,
0.1234

■ 55.4518, 0.2533,
0.2574

■ 0.0000, 0.0143,
0.0000

■ 74.8034, 0.2587,
0.2638

■ 0.0000, 0.0000,
0.0000

■ 98.2027, 0.2632,
0.2691

126.0340, 0.2670,

0.2737

158.6819, 0.2703,
0.2776

■ 10.8348, 0.2147,
0.2129

■ 10.8348, 0.2147,
0.2129

■ 8.9801, 0.1999,
0.1899

■ 12.9988, 0.2308,
0.2355

■ 7.4163, 0.1871,
0.1673

■ 15.4867, 0.2475,
0.2572

■ 6.1241, 0.1767,
0.1460

■ 18.3133, 0.2644,
0.2775

■ 5.1156, 0.1688,
0.1275

■ 21.4920, 0.2809,
0.2962

■ 25.0357, 0.2968,
0.3131

■ 28.9563, 0.3119,
0.3282

■ 33.2651, 0.3260,
0.3416

■ 37.9732, 0.3391,
0.3535

■ 43.0909, 0.3511,
0.3639

Harmonies

Analogous

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



10.8348, 0.1849, 0.2291



10.8348, 0.2147, 0.2129



10.8348, 0.2715, 0.2220

Triad

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



10.8348, 0.2147, 0.2129



10.8348, 0.4624, 0.3540



10.8348, 0.2667, 0.4287

Complementary

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



10.8348, 0.2147, 0.2129



18.1011, 0.4303, 0.4189

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.



10.8348, 0.3391, 0.4697



10.8348, 0.2147, 0.2129



10.8348, 0.4552, 0.4101

Square

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



10.8348, 0.2147, 0.2129



10.8348, 0.4217, 0.2990



10.8348, 0.4083, 0.4563



10.8348, 0.2107, 0.3493

Rectangle

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



10.8348, 0.2147, 0.2129



10.8348, 0.3213, 0.2403



10.8348, 0.4083, 0.4563



10.8348, 0.2899, 0.4485

Sweetspot

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



10.8352, 0.2147, 0.2129



39.8090, 0.2845, 0.3000



22.9317, 0.2654, 0.4038



8.7160, 0.2801, 0.2953



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.



10.8352, 0.2147, 0.2129



14.9134, 0.1946, 0.1809



6.3209, 0.2076, 0.1444



5.9848, 0.2989, 0.3152



4.4789, 0.1690, 0.1285



0.1094, 0.1921, 0.2114

Inverse Universe

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



10.0201, 0.4194, 0.2707



14.5845, 0.4597, 0.2640



26.5950, 0.3856, 0.4725



5.8509, 0.3224, 0.3203



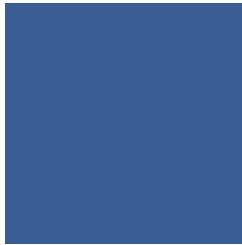
5.6455, 0.5347, 0.2719



0.0746, 0.4326, 0.2157

Previews

White Background



This preview shows how the Yxy color 10.8348, 0.2147, 0.2129 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 10.8348, 0.2147, 0.2129 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 10.8348, 0.2147, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 10.8348, 0.2147, 0.2129.



This preview shows how white text looks on a background with the Yxy color 10.8348, 0.2147, 0.2129.

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

10.8348, 0.2147, 0.2129

Protanopia

10.7344, 0.2268, 0.2129

Deuteranopia

10.7530, 0.2166, 0.2114



Tritanopia

10.8626, 0.2350, 0.3079

Trichromacy



Original Color

10.8348, 0.2147, 0.2129

Protanomaly

10.7508, 0.2219, 0.2122

Deuteranomaly

10.7215, 0.2158, 0.2112

Tritanomaly

10.7698, 0.2266, 0.2678

Monochromacy



Original Color

10.8348, 0.2147, 0.2129

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0578, 0.2681, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8348, 0.2147, 0.2129 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(58, 93, 147)` looks like.

```
.text, #text, p{  
    color:rgb(58, 93, 147)  
}
```

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(58, 93, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 93, 147) }
```

Border

The CSS property to change the border of an element to Yxy 10.8348, 0.2147, 0.2129 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(58, 93, 147) }
```

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

```
.border{ border-color:rgb(58, 93, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 93, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 93, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 93, 147);  
box-shadow:4px 4px 4px 4px rgb(58, 93,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8348, 0.2147, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 93, 147) }
```

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

```
.background{ background-color: rgb(58, 93,  
147) }
```

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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