

Converting Colors

$Y_{xy}(10.8868, 0.2202, 0.2334)$

Have a look what the booklet for
Yxy(10.8868, 0.2202, 0.2334)
contains.

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Color

Yxy(10.8316, 0.2197, 0.2320)

Conversions

Conversions Part 1

Format	Color
Hex	375F8A
RGB	55, 95, 138
RGB Percent	22%, 37%, 54%
CMY	0.7842, 0.6275, 0.4588
CMYK	0.60, 0.31, 0.00, 0.46
HSL	211°, 43%, 38%
HSV	211°, 60%, 54%
XYZ	10.2573, 10.8316, 25.5990
YIQ	87.9420, -37.6430, 4.8930

Conversions

Conversions Part 2

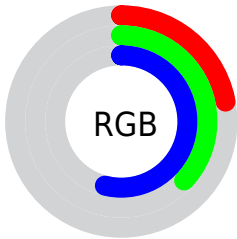
Format	Color
R_{YB}	55, 82, 138
Decimal	3628938
CIE _{Lab}	39.30, -0.29, -28.10
CIE _{LCh}	39, 28.103, 269.405
Yxy	10.8316, 0.2197, 0.2320
Android (android.graphics.Color)	4281819018 (0xFF375F8A)
YUV	87.9420, 24.6786, -28.8901
Hunter-Lab	32.9114, -1.9627, -23.0787

Details

The Yxy color **10.8316, 0.2197, 0.2320** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.4269, 0.4372, 0.4057**, and the grayscale version is **9.6991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3078, 0.2424, 0.2551**, and **2.9012, 0.1857, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **9.2646, 0.2061, 0.2124**, and if you desaturate by 10%, it is **12.6269, 0.2346, 0.2511**.

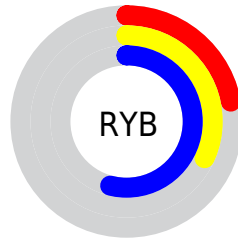
Distribution



Red (22%)

Green (37%)

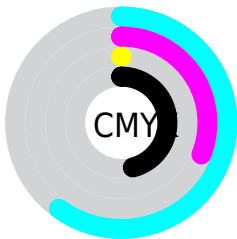
Blue (54%)



Red (22%)

Yellow (32%)

Blue (54%)

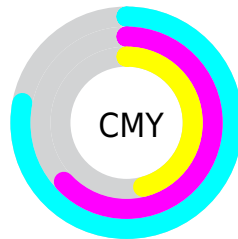


Cyan (60%)

Magenta (31%)

Yellow (0%)

Black (46%)



Cyan (78%)

Magenta (63%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8316, 0.2197, 0.2320 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 10.8316, 0.2197, 0.2320 by changing the saturation by 10% instead.

■ 10.8316, 0.2197,
0.2320

■ 10.8316, 0.2197,
0.2320

■ 196.5086, 0.2753,
0.2901

■ 5.9537, 0.2020,
0.2135

■ 27.3483, 0.2426,
0.2559

■ 2.8170, 0.1768,
0.1871

■ 39.7560, 0.2503,
0.2640

■ 1.0369, 0.1390,
0.1474

■ 55.4423, 0.2565,
0.2705

■ 0.0000, 0.0000,
0.0000

■ 74.7918, 0.2617,
0.2758

■ 98.1888, 0.2659,
0.2803

■ 126.0176, 0.2696,

0.2841

158.6627, 0.2727,
0.2873

■ 10.8316, 0.2197,
0.2320

■ 10.8316, 0.2197,
0.2320

■ 9.2646, 0.2061,
0.2124

■ 12.6269, 0.2346,
0.2511

■ 7.9121, 0.1942,
0.1928

■ 14.6606, 0.2503,
0.2693

■ 6.7604, 0.1845,
0.1737

■ 16.9435, 0.2662,
0.2863

■ 5.7853, 0.1766,
0.1556

■ 19.4853, 0.2821,
0.3019

■ 22.2952, 0.2976,
0.3161

■ 25.3816, 0.3125,
0.3289

■ 28.7529, 0.3267,
0.3402

■ 32.4168, 0.3401,
0.3503

■ 36.3809, 0.3525,
0.3592

Harmonies

Analogous

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



10.8316, 0.2006, 0.2541



10.8316, 0.2197, 0.2320



10.8316, 0.2625, 0.2333

Triad

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



10.8316, 0.2197, 0.2320



10.8316, 0.4312, 0.3383



10.8316, 0.2924, 0.4241

Complementary

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



10.8316, 0.2197, 0.2320



14.4269, 0.4372, 0.4057

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.



10.8316, 0.3545, 0.4461



10.8316, 0.2197, 0.2320



10.8316, 0.4380, 0.3869

Square

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



10.8316, 0.2197, 0.2320



10.8316, 0.3875, 0.2918



10.8316, 0.4084, 0.4281



10.8316, 0.2389, 0.3661

Rectangle

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



10.8316, 0.2197, 0.2320



10.8316, 0.3019, 0.2455



10.8316, 0.4084, 0.4281



10.8316, 0.3130, 0.4363

Sweetspot

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



10.8320, 0.2197, 0.2320



35.1643, 0.2848, 0.3045



19.8738, 0.2713, 0.4190



7.6153, 0.2808, 0.3007



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.



10.8320, 0.2197, 0.2320



15.4708, 0.2018, 0.2057



5.4247, 0.2017, 0.1438



5.2637, 0.2991, 0.3174



5.3324, 0.1768, 0.1563



0.0645, 0.1985, 0.2344

Inverse Universe

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



8.9667, 0.4010, 0.2584



12.9706, 0.4324, 0.2489



23.7435, 0.3934, 0.4662



5.0861, 0.3211, 0.3185



5.3225, 0.4978, 0.2516



0.0383, 0.4080, 0.2022

Previews

White Background



This preview shows how the Yxy color 10.8316, 0.2197, 0.2320 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 10.8316, 0.2197, 0.2320 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

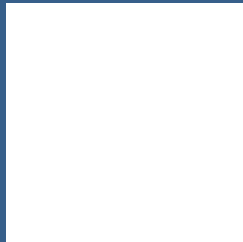
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.8316, 0.2197, 0.2320

Background



This preview shows how black text looks on a background with the Yxy color 10.8316, 0.2197, 0.2320.

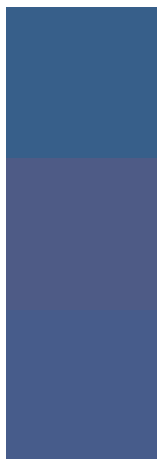


This preview shows how white text looks on a background with the Yxy color 10.8316, 0.2197, 0.2320.

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

10.8316, 0.2197, 0.2320

Protanopia

10.8231, 0.2428, 0.2350

Deuteranopia

10.8580, 0.2315, 0.2268



Tritanopia

10.9037, 0.2364, 0.3080

Trichromacy



Original Color

10.8316, 0.2197, 0.2320

Protanomaly

10.7057, 0.2339, 0.2335

Deuteranomaly

10.8166, 0.2263, 0.2276

Tritanomaly

10.8841, 0.2296, 0.2769

Monochromacy



Original Color

10.8316, 0.2197, 0.2320

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.0593, 0.2705, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8316, 0.2197, 0.2320 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(55, 95, 138)` looks like.

```
.text, #text, p{  
    color:rgb(55, 95, 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(55, 95, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 95, 138) }
```

Border

The CSS property to change the border of an element to Yxy 10.8316, 0.2197, 0.2320 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(55, 95, 138) }
```

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

```
.border{ border-color:rgb(55, 95, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 95, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 95, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 95, 138);  
box-shadow:4px 4px 4px 4px rgb(55, 95,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8316, 0.2197, 0.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 95, 138) }
```

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

```
.background{ background-color: rgb(55, 95,  
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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