

Converting Colors

$Y_{xy}(10.8271, 0.2289, 0.2317)$

Have a look what the booklet for
Yxy(10.8271, 0.2289, 0.2317)
contains.

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Color

Yxy(10.7931, 0.2288, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	425D89
RGB	66, 93, 137
RGB Percent	26%, 36%, 54%
CMY	0.7412, 0.6353, 0.4627
CMYK	0.52, 0.32, 0.00, 0.46
HSL	217°, 35%, 40%
HSV	217°, 52%, 54%
XYZ	10.6764, 10.7931, 25.1932
YIQ	89.9430, -30.2160, 7.9600

Conversions

Conversions Part 2

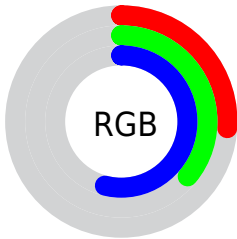
Format	Color
RYB	66, 86, 137
Decimal	4349321
CIELab	39.23, 3.19, -27.56
CIELCh	39, 27.743, 276.602
Yxy	10.7931, 0.2288, 0.2313
Android (android.graphics.Color)	4282539401 (0xFF425D89)
YUV	89.9430, 23.1991, -20.9980
Hunter-Lab	32.8529, 0.5160, -22.4696

Details

The Yxy color **10.7931, 0.2288, 0.2313** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.8644, 0.4091, 0.4087**, and the grayscale version is **10.1627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2581, 0.2493, 0.2545**, and **2.7663, 0.1884, 0.1845** is the 20% darker color. If you saturate the color by 10%, you get **8.9647, 0.2128, 0.2083**, and if you desaturate by 10%, it is **12.9018, 0.2456, 0.2534**.

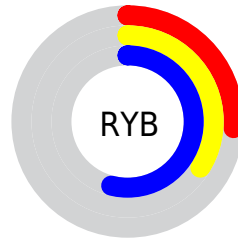
Distribution



Red (26%)

Green (36%)

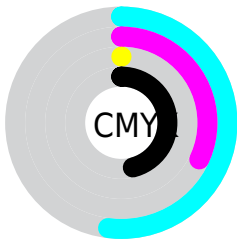
Blue (54%)



Red (26%)

Yellow (34%)

Blue (54%)

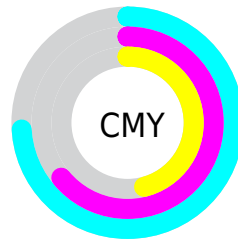


Cyan (52%)

Magenta (32%)

Yellow (0%)

Black (46%)



Cyan (74%)

Magenta (64%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7931, 0.2288, 0.2313 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 10.7931, 0.2288, 0.2313 by changing the saturation by 10% instead.

■ 10.7931, 0.2288,
0.2313

■ 10.7931, 0.2288,
0.2313

■ 196.2425, 0.2794,
0.2895

■ 5.9279, 0.2124,
0.2129

■ 27.2769, 0.2497,
0.2551

■ 2.8013, 0.1889,
0.1867

■ 39.6643, 0.2568,
0.2632

■ 1.0289, 0.1528,
0.1474

■ 55.3279, 0.2624,
0.2698

■ 0.0000, 0.0000,
0.0000

■ 74.6521, 0.2670,
0.2751

■ 98.0213, 0.2709,
0.2796

125.8198, 0.2742,

0.2834

158.4321, 0.2770,
0.2867

■ 10.7931, 0.2288,
0.2313

■ 10.7931, 0.2288,
0.2313

■ 8.9647, 0.2128,
0.2083

■ 12.9018, 0.2456,
0.2534

■ 7.4018, 0.1980,
0.1850

■ 15.3022, 0.2624,
0.2742

■ 6.0897, 0.1853,
0.1623

■ 18.0064, 0.2790,
0.2934

■ 5.0113, 0.1751,
0.1410

■ 21.0256, 0.2950,
0.3107

■ 4.2729, 0.1680,
0.1249

■ 24.3700, 0.3100,
0.3263

■ 28.0498, 0.3242,
0.3402

■ 32.0743, 0.3372,
0.3524

■ 36.4526, 0.3493,
0.3632

■ 41.1934, 0.3604,
0.3726

Harmonies

Analogous

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



10.7931, 0.2040, 0.2475



10.7931, 0.2288, 0.2313



10.7931, 0.2763, 0.2376

Triad

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



10.7931, 0.2288, 0.2313



10.7931, 0.4350, 0.3500



10.7931, 0.2786, 0.4115

Complementary

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



10.7931, 0.2288, 0.2313



16.8644, 0.4091, 0.4087

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.



10.7931, 0.3395, 0.4434



10.7931, 0.2288, 0.2313



10.7931, 0.4326, 0.3973

Square

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



10.7931, 0.2288, 0.2313



10.7931, 0.3997, 0.3027



10.7931, 0.3963, 0.4341



10.7931, 0.2298, 0.3498

Rectangle

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



10.7931, 0.2288, 0.2313



10.7931, 0.3174, 0.2527



10.7931, 0.3963, 0.4341



10.7931, 0.2983, 0.4267

Sweetspot

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



10.7935, 0.2288, 0.2313



35.1338, 0.2879, 0.3031



20.1747, 0.2691, 0.3878



7.6694, 0.2851, 0.3001



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.



10.7935, 0.2288, 0.2313



15.5930, 0.2104, 0.2047



7.1679, 0.2268, 0.1746



5.1838, 0.2991, 0.3151



4.0011, 0.1682, 0.1254



0.0533, 0.1911, 0.2078

Inverse Universe

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



10.0047, 0.3980, 0.2796



14.7621, 0.4287, 0.2711



22.9349, 0.3754, 0.4545



5.0780, 0.3225, 0.3207



5.1881, 0.5390, 0.2743



0.0372, 0.4365, 0.2179

Previews

White Background



This preview shows how the Yxy color 10.7931, 0.2288, 0.2313 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 10.7931, 0.2288, 0.2313 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

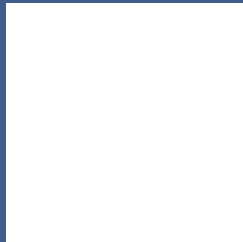
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.7931, 0.2288, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 10.7931, 0.2288, 0.2313.



This preview shows how white text looks on a background with the Yxy color 10.7931, 0.2288, 0.2313.

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

10.7931, 0.2288, 0.2313

Protanopia

10.8092, 0.2408, 0.2329

Deuteranopia

10.8382, 0.2342, 0.2304



Tritanopia

10.8260, 0.2491, 0.3083

Trichromacy



Original Color

10.7931, 0.2288, 0.2313

Protanomaly

10.8483, 0.2361, 0.2324

Deuteranomaly

10.7625, 0.2322, 0.2300

Tritanomaly

10.8181, 0.2415, 0.2777

Monochromacy



Original Color

10.7931, 0.2288, 0.2313

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2930, 0.2760, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7931, 0.2288, 0.2313 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(66, 93, 137) looks like.

```
.text, #text, p{  
    color:rgb(66, 93, 137)  
}
```

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(66, 93, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 93, 137) }
```

Border

The CSS property to change the border of an element to Yxy 10.7931, 0.2288, 0.2313 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(66, 93, 137) }
```

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

```
.border{ border-color:rgb(66, 93, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 93, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 93, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 93, 137);  
box-shadow:4px 4px 4px 4px rgb(66, 93,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7931, 0.2288, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 93, 137) }
```

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

```
.background{ background-color: rgb(66, 93,  
137) }
```

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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