

Converting Colors

$Y_{xy}(10.8114, 0.2237, 0.2852)$

Have a look what the booklet for
Yxy(10.8114, 0.2237, 0.2852)
contains.

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Color

Yxy(10.7388, 0.2240, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	226475
RGB	34, 100, 117
RGB Percent	13%, 39%, 46%
CMY	0.8666, 0.6078, 0.5412
CMYK	0.71, 0.15, 0.00, 0.54
HSL	192°, 55%, 30%
HSV	192°, 71%, 46%
XYZ	8.4285, 10.7388, 18.4599
YIQ	82.2040, -44.7930, -8.7050

Conversions

Conversions Part 2

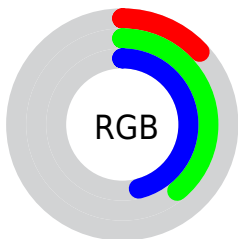
Format	Color
R_{YB}	34, 71, 117
Decimal	2253941
CIE _{Lab}	39.14, -14.69, -15.63
CIE _{LCh}	39, 21.451, 226.769
Yxy	10.7388, 0.2240, 0.2854
Android (android.graphics.Color)	4280444021 (0xFF226475)
YUV	82.2040, 17.1544, -42.2749
Hunter-Lab	32.7701, -11.4374, -10.4599

Details

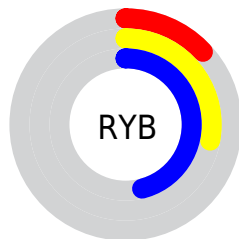
The Yxy color **10.7388, 0.2240, 0.2854** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.2684, 0.5081, 0.3615**, and the grayscale version is **8.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1714, 0.2461, 0.2979**, and **2.9759, 0.2058, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **10.1197, 0.2167, 0.2783**, and if you desaturate by 10%, it is **11.4400, 0.2331, 0.2925**.

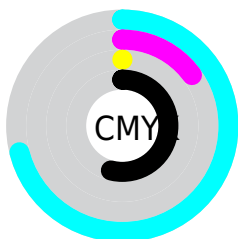
Distribution



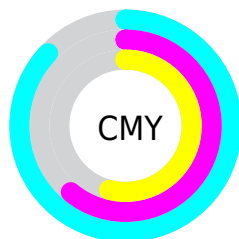
- Red (13%)
- Green (39%)
- Blue (46%)



- Red (13%)
- Yellow (28%)
- Blue (46%)



- Cyan (71%)
- Magenta (15%)
- Yellow (0%)
- Black (54%)





- Cyan (87%)
- Magenta (61%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7388, 0.2240, 0.2854 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 10.7388, 0.2240, 0.2854 by changing the saturation by 10% instead.


 10.7388, 0.2240,
0.2854


 10.7388, 0.2240,
0.2854


195.8667, 0.2774,
0.3134


 5.8915, 0.2065,
0.2750

 27.1761, 0.2462,
0.2977


 2.7792, 0.1810,
0.2586

 39.5350, 0.2536,
0.3016

 1.0176, 0.1366,
0.2307

 55.1664, 0.2595,
0.3046

 0.0000, 0.0000,
0.0000

 74.4548, 0.2644,
0.3071

 97.7847, 0.2685,
0.3091

 125.5404, 0.2719,

0.3108

158.1062, 0.2748,
0.3122

■ 10.7388, 0.2240,
0.2854

■ 10.7388, 0.2240,
0.2854

■ 10.1197, 0.2167,
0.2783

■ 11.4400, 0.2331,
0.2925

■ 9.5742, 0.2111,
0.2711

■ 12.2284, 0.2437,
0.2994

■ 9.1178, 0.2068,
0.2646

■ 13.1101, 0.2556,
0.3060

■ 14.0901, 0.2686,
0.3123

■ 15.1731, 0.2824,
0.3181

■ 16.3634, 0.2968,
0.3236

■ 17.6652, 0.3114,
0.3286

■ 19.0824, 0.3260,
0.3331

■ 20.6184, 0.3405,
0.3372

Harmonies

Analogous

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



10.7388, 0.2384, 0.3289



10.7388, 0.2240, 0.2854



10.7388, 0.2308, 0.2585

Triad

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



10.7388, 0.2240, 0.2854



10.7388, 0.3506, 0.2865



10.7388, 0.3655, 0.4162

Complementary

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



10.7388, 0.2240, 0.2854



6.2684, 0.5081, 0.3615

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.



10.7388, 0.3998, 0.3956



10.7388, 0.2240, 0.2854



10.7388, 0.3921, 0.3217

Square

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



10.7388, 0.2240, 0.2854



10.7388, 0.3007, 0.2613



10.7388, 0.4103, 0.3606



10.7388, 0.3185, 0.4110

Rectangle

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



10.7388, 0.2240, 0.2854



10.7388, 0.2466, 0.2514



10.7388, 0.4103, 0.3606



10.7388, 0.3789, 0.4117

Sweetspot

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



10.7392, 0.2240, 0.2854



27.0414, 0.2816, 0.3178



13.3002, 0.2909, 0.5083



6.1198, 0.2786, 0.3166



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.7392, 0.2240, 0.2854



17.4920, 0.2130, 0.2738



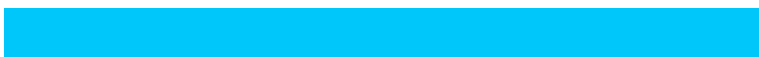
4.7446, 0.1965, 0.1717



4.0340, 0.2995, 0.3246



10.0227, 0.2067, 0.2643



47.5972, 0.2057, 0.2604

Inverse Universe

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



5.8479, 0.3557, 0.2037



8.8984, 0.3682, 0.1902



11.5716, 0.4379, 0.4420



3.7457, 0.3165, 0.3123



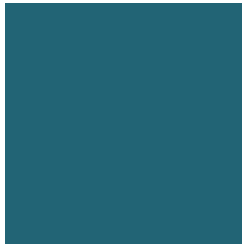
5.0358, 0.3783, 0.1858



24.4144, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 10.7388, 0.2240, 0.2854 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 10.7388, 0.2240, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

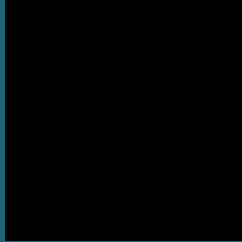
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7388, 0.2240, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 10.7388, 0.2240, 0.2854.

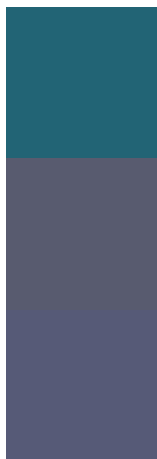


This preview shows how white text looks on a background with the Yxy color 10.7388, 0.2240, 0.2854.

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

10.7388, 0.2240, 0.2854

Protanopia

10.7046, 0.2807, 0.2826

Deuteranopia

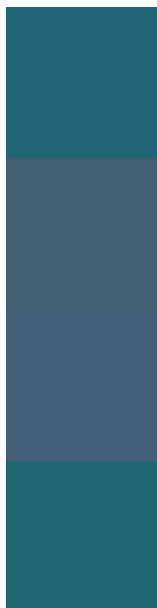
10.6227, 0.2681, 0.2631



Tritanopia

10.6727, 0.2282, 0.3075

Trichromacy



Original Color

10.7388, 0.2240, 0.2854

Protanomaly

10.4266, 0.2536, 0.2823

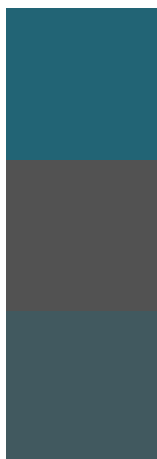
Deuteranomaly

10.5067, 0.2474, 0.2711

Tritanomaly

10.7685, 0.2269, 0.3000

Monochromacy



Original Color

10.7388, 0.2240, 0.2854

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.0948, 0.2688, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7388, 0.2240, 0.2854 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(34, 100, 117)` looks like.

```
.text, #text, p{  
    color:rgb(34, 100, 117)  
}
```

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(34, 100, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 100, 117) }
```

Border

The CSS property to change the border of an element to Yxy 10.7388, 0.2240, 0.2854 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(34, 100, 117) }
```

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

```
.border{ border-color:rgb(34, 100, 117) }
```

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

Here you see how a box with a 4 pixel rgb(34, 100, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 100, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 100, 117);  
box-shadow:4px 4px 4px 4px rgb(34, 100,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7388, 0.2240, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 100, 117) }
```

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

```
.background{ background-color: rgb(34, 100,  
117) }
```

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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