

Converting Colors

$Y_{xy}(10.8891, 0.2214, 0.2963)$

Have a look what the booklet for
Yxy(10.8891, 0.2214, 0.2963)
contains.

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Color

Yxy(10.8882, 0.2218, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	166672
RGB	22, 102, 114
RGB Percent	9%, 40%, 45%
CMY	0.9141, 0.6000, 0.5529
CMYK	0.81, 0.11, 0.00, 0.55
HSL	188°, 68%, 27%
HSV	188°, 81%, 45%
XYZ	8.1177, 10.8882, 17.5931
YIQ	79.4480, -51.5320, -13.2280

Conversions

Conversions Part 2

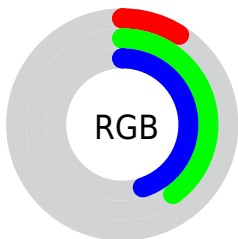
Format	Color
RYB	22, 65, 114
Decimal	1468018
CIELab	39.39, -18.56, -13.43
CIELCh	39, 22.913, 215.882
Yxy	10.8882, 0.2218, 0.2975
Android (android.graphics.Color)	4279658098 (0xFF166672)
YUV	79.4480, 17.0341, -50.3819
Hunter-Lab	32.9973, -13.8325, -8.5135

Details

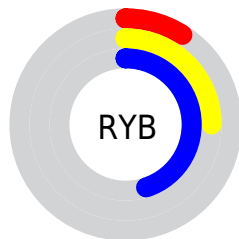
The Yxy color **10.8882, 0.2218, 0.2975** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4.7726, 0.5587, 0.3485**, and the grayscale version is **7.8781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3746, 0.2442, 0.3061**, and **3.1257, 0.2115, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **10.4978, 0.2172, 0.2932**, and if you desaturate by 10%, it is **11.3419, 0.2282, 0.3019**.

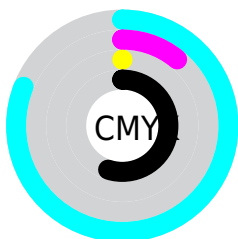
Distribution



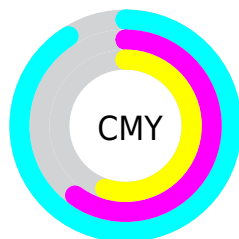
- Red (9%)
- Green (40%)
- Blue (45%)



- Red (9%)
- Yellow (25%)
- Blue (45%)



- Cyan (81%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)




- Cyan (91%)
- Magenta (60%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8882, 0.2218, 0.2975 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 10.8882, 0.2218, 0.2975 by changing the saturation by 10% instead.


 10.8882, 0.2218,
0.2975


 10.8882, 0.2218,
0.2975


 196.8989, 0.2764,
0.3183


 5.9917, 0.2039,
0.2894

 27.4532, 0.2445,
0.3068

 2.8400, 0.1778,
0.2761


 39.8906, 0.2521,
0.3097

 1.0488, 0.1295,
0.2538

 55.6103, 0.2581,
0.3120

 0.0000, 0.0000,
0.0000

 74.9969, 0.2631,
0.3138

 98.4346, 0.2673,
0.3152

 126.3079, 0.2708,

0.3164

159.0012, 0.2738,
0.3174

■ 10.8882, 0.2218,
0.2975

■ 10.8882, 0.2218,
0.2975

■ 10.4978, 0.2172,
0.2932

■ 11.3419, 0.2282,
0.3019

■ 10.1684, 0.2137,
0.2891

■ 11.8643, 0.2363,
0.3062

■ 12.4617, 0.2460,
0.3104

■ 13.1394, 0.2572,
0.3146

■ 13.9018, 0.2696,
0.3185

■ 14.7535, 0.2829,
0.3222

■ 15.6983, 0.2970,
0.3256

■ 16.7401, 0.3116,
0.3288

■ 17.8823, 0.3263,
0.3316

Harmonies

Analogous

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



10.8882, 0.2447, 0.3479



10.8882, 0.2218, 0.2975



10.8882, 0.2210, 0.2621

Triad

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



10.8882, 0.2218, 0.2975



10.8882, 0.3337, 0.2729



10.8882, 0.3839, 0.4161

Complementary

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



10.8882, 0.2218, 0.2975



4.7726, 0.5587, 0.3485

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.



10.8882, 0.4126, 0.3868



10.8882, 0.2218, 0.2975



10.8882, 0.3833, 0.3068

Square

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



10.8882, 0.2218, 0.2975



10.8882, 0.2818, 0.2516



10.8882, 0.4130, 0.3471



10.8882, 0.3374, 0.4223

Rectangle

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



10.8882, 0.2218, 0.2975



10.8882, 0.2325, 0.2498



10.8882, 0.4130, 0.3471



10.8882, 0.3961, 0.4082

Sweetspot

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



10.8886, 0.2218, 0.2975



25.3349, 0.2777, 0.3208



12.3118, 0.2958, 0.5504



5.7638, 0.2740, 0.3198



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.8886, 0.2218, 0.2975



17.9224, 0.2143, 0.2894



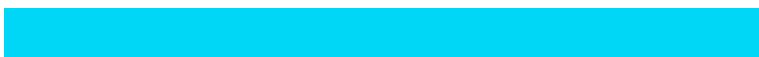
4.3307, 0.1885, 0.1687



3.7448, 0.2996, 0.3262



11.3025, 0.2136, 0.2889



55.4116, 0.2129, 0.2865

Inverse Universe

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



5.1067, 0.3464, 0.1838



7.9738, 0.3547, 0.1744



9.1828, 0.4683, 0.4363



3.4464, 0.3154, 0.3109



4.9868, 0.3553, 0.1731



24.7516, 0.3575, 0.1743

Previews

White Background



This preview shows how the Yxy color 10.8882, 0.2218, 0.2975 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 10.8882, 0.2218, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

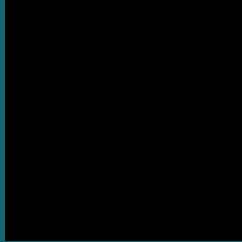
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8882, 0.2218, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 10.8882, 0.2218, 0.2975.



This preview shows how white text looks on a background with the Yxy color 10.8882, 0.2218, 0.2975.

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

10.8882, 0.2218, 0.2975

Protanopia

10.8895, 0.2888, 0.2940

Deuteranopia

10.8904, 0.2747, 0.2702



Tritanopia

10.9768, 0.2233, 0.3076

Trichromacy



Original Color

10.8882, 0.2218, 0.2975

Protanomaly

10.6153, 0.2542, 0.2940

Deuteranomaly

10.5692, 0.2476, 0.2777

Tritanomaly

11.0088, 0.2229, 0.3051

Monochromacy



Original Color

10.8882, 0.2218, 0.2975

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.4886, 0.2628, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8882, 0.2218, 0.2975 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(22, 102, 114)` looks like.

```
.text, #text, p{  
    color:rgb(22, 102, 114)  
}
```

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(22, 102, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 102, 114) }
```

Border

The CSS property to change the border of an element to Yxy 10.8882, 0.2218, 0.2975 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(22, 102, 114) }
```

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

```
.border{ border-color:rgb(22, 102, 114) }
```

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

Here you see how a box with a 4 pixel rgb(22, 102, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 102, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 102, 114);  
box-shadow:4px 4px 4px 4px rgb(22, 102,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8882, 0.2218, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 102, 114) }
```

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

```
.background{ background-color: rgb(22, 102,  
114) }
```

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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