

Converting Colors

$Y_{xy}(10.2259, 0.2211, 0.2930)$

Have a look what the booklet for
Yxy(10.2259, 0.2211, 0.2930)
contains.

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Color

Yxy(10.2757, 0.2216, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	176370
RGB	23, 99, 112
RGB Percent	9%, 39%, 44%
CMY	0.9103, 0.6117, 0.5608
CMYK	0.80, 0.12, 0.00, 0.56
HSL	189°, 66%, 26%
HSV	189°, 80%, 44%
XYZ	7.7373, 10.2757, 16.9027
YIQ	77.7580, -49.4690, -12.0690

Conversions

Conversions Part 2

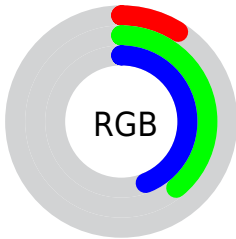
Format	Color
R_YB	23, 64, 112
Decimal	1532784
CIE Lab	38.33, -17.50, -13.81
CIE LCh	38, 22.290, 218.289
Yxy	10.2757, 0.2216, 0.2943
Android (android.graphics.Color)	4279722864 (0xFF176370)
YUV	77.7580, 16.8813, -48.0228
Hunter-Lab	32.0557, -13.0128, -8.8241

Details

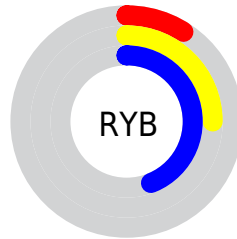
The Yxy color **10.2757, 0.2216, 0.2943** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4.7591, 0.5507, 0.3512**, and the grayscale version is **7.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3320, 0.2445, 0.3041**, and **2.8261, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **9.8651, 0.2165, 0.2894**, and if you desaturate by 10%, it is **10.7491, 0.2284, 0.2992**.

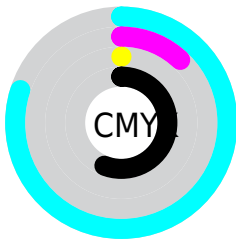
Distribution



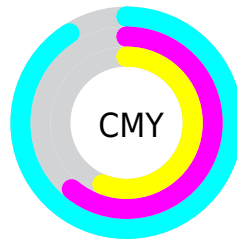
- Red (9%)
- Green (39%)
- Blue (44%)



- Red (9%)
- Yellow (25%)
- Blue (44%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)



- Cyan (91%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2757, 0.2216, 0.2943 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 10.2757, 0.2216, 0.2943 by changing the saturation by 10% instead.

10.2757, 0.2216,
0.2943

10.2757, 0.2216,
0.2943

192.6286, 0.2767,
0.3172

5.5821, 0.2033,
0.2853

26.3128, 0.2446,
0.3046

2.5927, 0.1764,
0.2707

38.4251, 0.2523,
0.3078

0.9230, 0.1205,
0.2473

53.7791, 0.2584,
0.3102

0.0000, 0.0000,
0.0000

72.7592, 0.2634,
0.3122

95.7499, 0.2676,
0.3138

123.1354, 0.2711,

0.3151

155.3002, 0.2741,
0.3162

■ 10.2757, 0.2216,
0.2943

■ 10.2757, 0.2216,
0.2943

■ 9.8651, 0.2165,
0.2894

■ 10.7491, 0.2284,
0.2992

■ 9.4925, 0.2125,
0.2845

■ 11.2905, 0.2369,
0.3041

■ 9.4767, 0.2123,
0.2843

■ 11.9058, 0.2470,
0.3088

■ 12.5999, 0.2585,
0.3134

■ 13.3772, 0.2711,
0.3178

■ 14.2418, 0.2846,
0.3219

■ 15.1975, 0.2988,
0.3257

■ 16.2479, 0.3133,
0.3291

■ 17.3963, 0.3280,
0.3323

Harmonies

Analogous

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



10.2757, 0.2427, 0.3435



10.2757, 0.2216, 0.2943



10.2757, 0.2225, 0.2607

Triad

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



10.2757, 0.2216, 0.2943



10.2757, 0.3378, 0.2756



10.2757, 0.3802, 0.4169

Complementary

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



10.2757, 0.2216, 0.2943



4.7591, 0.5507, 0.3512

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.



10.2757, 0.4104, 0.3893



10.2757, 0.2216, 0.2943



10.2757, 0.3860, 0.3100

Square

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



10.2757, 0.2216, 0.2943



10.2757, 0.2859, 0.2533



10.2757, 0.4133, 0.3503



10.2757, 0.3331, 0.4206

Rectangle

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



10.2757, 0.2216, 0.2943



10.2757, 0.2352, 0.2495



10.2757, 0.4133, 0.3503



10.2757, 0.3928, 0.4097

Sweetspot

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



10.2761, 0.2216, 0.2943



24.2346, 0.2777, 0.3198



11.8875, 0.2948, 0.5439



5.7216, 0.2739, 0.3187



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.



10.2761, 0.2216, 0.2943



16.8283, 0.2137, 0.2855



4.1357, 0.1891, 0.1676



3.7364, 0.2996, 0.3259



10.9319, 0.2122, 0.2839



53.4817, 0.2115, 0.2812

Inverse Universe

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



4.9533, 0.3490, 0.1871



7.6960, 0.3581, 0.1774



9.1436, 0.4628, 0.4384



3.4455, 0.3156, 0.3112



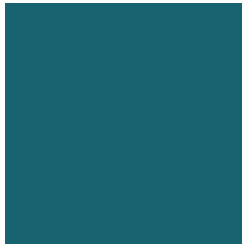
4.9494, 0.3599, 0.1756



24.5568, 0.3623, 0.1770

Previews

White Background



This preview shows how the Yxy color 10.2757, 0.2216, 0.2943 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 10.2757, 0.2216, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

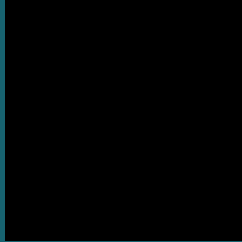
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2757, 0.2216, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 10.2757, 0.2216, 0.2943.



This preview shows how white text looks on a background with the Yxy color 10.2757, 0.2216, 0.2943.

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

10.2757, 0.2216, 0.2943

Protanopia

10.1909, 0.2868, 0.2908

Deuteranopia

10.1728, 0.2737, 0.2686



Tritanopia

10.3257, 0.2235, 0.3071

Trichromacy



Original Color

10.2757, 0.2216, 0.2943

Protanomaly

10.0014, 0.2540, 0.2908

Deuteranomaly

9.9033, 0.2472, 0.2764

Tritanomaly

10.3672, 0.2234, 0.3045

Monochromacy



Original Color

10.2757, 0.2216, 0.2943

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.2933, 0.2649, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2757, 0.2216, 0.2943 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(23, 99, 112)` looks like.

```
.text, #text, p{  
  color:rgb(23, 99, 112)  
}
```

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(23, 99, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 99, 112) }
```

Border

The CSS property to change the border of an element to Yxy 10.2757, 0.2216, 0.2943 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(23, 99, 112) }
```

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

```
.border{ border-color:rgb(23, 99, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 99, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 99, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 99, 112);  
box-shadow:4px 4px 4px 4px rgb(23, 99,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2757, 0.2216, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 99, 112) }
```

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

```
.background{ background-color: rgb(23, 99,  
112) }
```

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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