

Converting Colors

$Y_{xy}(10.6572, 0.2124, 0.2707)$

Have a look what the booklet for
Yxy(10.6572, 0.2124, 0.2707)
contains.

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Color

Yxy(10.6636, 0.2124, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	11647B
RGB	17, 100, 123
RGB Percent	7%, 39%, 48%
CMY	0.9329, 0.6078, 0.5177
CMYK	0.86, 0.19, 0.00, 0.52
HSL	193°, 76%, 27%
HSV	193°, 86%, 48%
XYZ	8.3639, 10.6636, 20.3506
YIQ	77.8050, -56.8510, -10.4430

Conversions

Conversions Part 2

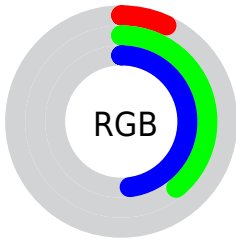
Format	Color
R_{YB}	17, 64, 123
Decimal	1139835
CIE _{Lab}	39.01, -14.71, -19.51
CIE _{LCh}	39, 24.431, 232.987
Yxy	10.6636, 0.2124, 0.2708
Android (android.graphics.Color)	4279329915 (0xFF11647B)
YUV	77.8050, 22.2811, -53.3260
Hunter-Lab	32.6552, -11.4276, -14.0908

Details

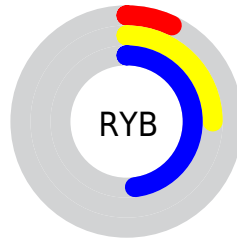
The Yxy color **10.6636, 0.2124, 0.2708** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.7743, 0.5652, 0.3614**, and the grayscale version is **7.5511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0616, 0.2367, 0.2862**, and **3.0406, 0.2010, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **10.0711, 0.2075, 0.2632**, and if you desaturate by 10%, it is **11.3316, 0.2190, 0.2785**.

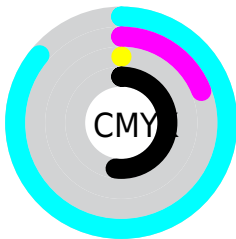
Distribution



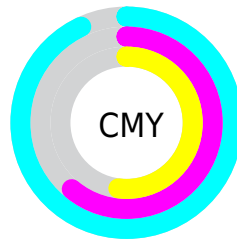
- Red (7%)
- Green (39%)
- Blue (48%)



- Red (7%)
- Yellow (25%)
- Blue (48%)



- Cyan (86%)
- Magenta (19%)
- Yellow (0%)
- Black (52%)





- Cyan (93%)
- Magenta (61%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6636, 0.2124, 0.2708 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 10.6636, 0.2124, 0.2708 by changing the saturation by 10% instead.


 10.6636, 0.2124,
0.2708


 10.6636, 0.2124,
0.2708


 195.3449, 0.2724,
0.3078


 5.8411, 0.1932,
0.2575

 27.0364, 0.2371,
0.2868


 2.7487, 0.1655,
0.2369

 39.3555, 0.2454,
0.2920

 1.0020, 0.1193,
0.2031

 54.9423, 0.2522,
0.2961

 0.0000, 0.0000,
0.0000

 74.1811, 0.2577,
0.2993

 97.4564, 0.2622,
0.3020

 125.1525, 0.2661,

0.3042

157.6539, 0.2695,
0.3061

■ 10.6636, 0.2124,
0.2708

■ 10.6636, 0.2124,
0.2708

■ 10.0711, 0.2075,
0.2632

■ 11.3316, 0.2190,
0.2785

■ 9.8476, 0.2056,
0.2601

■ 12.0879, 0.2273,
0.2861

■ 12.9409, 0.2373,
0.2936

■ 13.8971, 0.2487,
0.3008

■ 14.9628, 0.2614,
0.3077

■ 16.1435, 0.2750,
0.3142

■ 17.4442, 0.2892,
0.3203

■ 18.8698, 0.3038,
0.3259

■ 20.4248, 0.3185,
0.3309

Harmonies

Analogous

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



10.6636, 0.2233, 0.3168



10.6636, 0.2124, 0.2708



10.6636, 0.2248, 0.2457

Triad

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



10.6636, 0.2124, 0.2708



10.6636, 0.3671, 0.2884



10.6636, 0.3616, 0.4304

Complementary

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



10.6636, 0.2124, 0.2708



5.7743, 0.5652, 0.3614

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.



10.6636, 0.4051, 0.4105



10.6636, 0.2124, 0.2708



10.6636, 0.4104, 0.3290

Square

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



10.6636, 0.2124, 0.2708



10.6636, 0.3103, 0.2575



10.6636, 0.4242, 0.3726



10.6636, 0.3072, 0.4182

Rectangle

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



10.6636, 0.2124, 0.2708



10.6636, 0.2453, 0.2410



10.6636, 0.4242, 0.3726



10.6636, 0.3781, 0.4267

Sweetspot

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



10.6640, 0.2124, 0.2708



28.7956, 0.2742, 0.3139



14.4354, 0.2902, 0.5442



6.6365, 0.2703, 0.3121



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



10.6640, 0.2124, 0.2708



17.4252, 0.2051, 0.2583



3.5913, 0.1750, 0.1302



4.3718, 0.2994, 0.3243



10.1821, 0.2056, 0.2600



47.2838, 0.2045, 0.2561

Inverse Universe

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



5.5340, 0.3709, 0.1924



9.0413, 0.3840, 0.1889



12.0766, 0.4600, 0.4560



4.0633, 0.3167, 0.3124



5.2348, 0.3824, 0.1880



24.8405, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 10.6636, 0.2124, 0.2708 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 10.6636, 0.2124, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

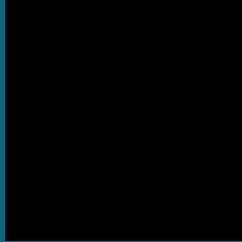
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

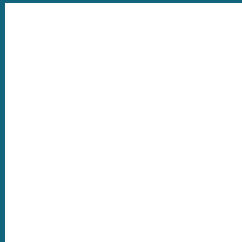
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6636, 0.2124, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 10.6636, 0.2124, 0.2708.

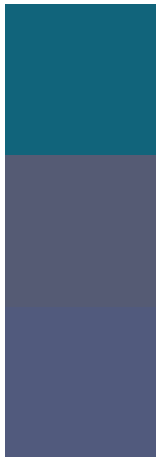


This preview shows how white text looks on a background with the Yxy color 10.6636, 0.2124, 0.2708.

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

10.6636, 0.2124, 0.2708

Protanopia

10.6744, 0.2705, 0.2714

Deuteranopia

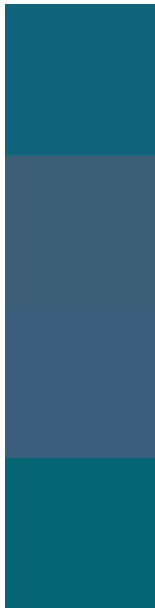
10.5423, 0.2550, 0.2500



Tritanopia

10.6285, 0.2187, 0.3072

Trichromacy



Original Color

10.6636, 0.2124, 0.2708

Protanomaly

10.2980, 0.2392, 0.2678

Deuteranomaly

10.3602, 0.2328, 0.2570

Tritanomaly

10.5839, 0.2158, 0.2919

Monochromacy



Original Color

10.6636, 0.2124, 0.2708

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.3045, 0.2575, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6636, 0.2124, 0.2708 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(17, 100, 123)` looks like.

```
.text, #text, p{  
    color:rgb(17, 100, 123)  
}
```

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(17, 100, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 100, 123) }
```

Border

The CSS property to change the border of an element to Yxy 10.6636, 0.2124, 0.2708 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(17, 100, 123) }
```

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

```
.border{ border-color:rgb(17, 100, 123) }
```

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

Here you see how a box with a 4 pixel rgb(17, 100, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 100, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 100, 123);  
box-shadow:4px 4px 4px 4px rgb(17, 100,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6636, 0.2124, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 100, 123) }
```

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

```
.background{ background-color: rgb(17, 100,  
123) }
```

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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