

Converting Colors

$Yxy(13.9769, 0.2109, 0.2721)$

Have a look what the booklet for
Yxy(13.9769, 0.2109, 0.2721)
contains.

Yxy(13.9769, 0.2109, 0.2721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9769, 0.2109, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	0C728B
RGB	12, 114, 139
RGB Percent	5%, 45%, 55%
CMY	0.9515, 0.5530, 0.4549
CMYK	0.91, 0.18, 0.00, 0.45
HSL	192°, 84%, 30%
HSV	192°, 91%, 55%
XYZ	10.8333, 13.9769, 26.5566
YIQ	86.3520, -68.8170, -13.8490

Conversions

Conversions Part 2

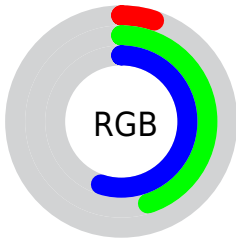
Format	Color
RYB	12, 69, 139
Decimal	815755
CIELab	44.20, -17.06, -21.17
CIElCh	44, 27.184, 231.136
Yxy	13.9769, 0.2109, 0.2721
Android (android.graphics.Color)	4279005835 (0xFF0C728B)
YUV	86.3520, 25.9555, -65.2067
Hunter-Lab	37.3857, -13.7010, -15.9462

Details

The Yxy color **13.9769, 0.2109, 0.2721** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8640, 0.5890, 0.3549**, and the grayscale version is **9.3622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0540, 0.2339, 0.2863**, and **4.6177, 0.2026, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **13.3534, 0.2072, 0.2659**, and if you desaturate by 10%, it is **14.7485, 0.2162, 0.2791**.

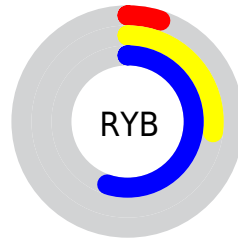
Distribution



Red (5%)

Green (45%)

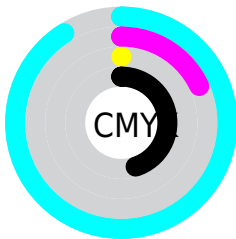
Blue (55%)



Red (5%)

Yellow (27%)

Blue (55%)

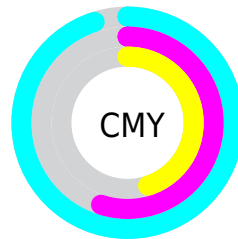


Cyan (91%)

Magenta (18%)

Yellow (0%)

Black (45%)



Cyan (95%)


Magenta (55%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9769, 0.2109, 0.2721 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 13.9769, 0.2109, 0.2721 by changing the saturation by 10% instead.


 13.9769, 0.2109,
0.2721


 13.9769, 0.2109,
0.2721


 217.0871, 0.2695,
0.3072


 8.1046, 0.1934,
0.2603


 33.0480, 0.2343,
0.2869


 4.1620, 0.1691,
0.2428

 47.0157, 0.2424,
0.2918

 1.7646, 0.1340,
0.2149

 64.4505, 0.2490,
0.2957

 0.4649, 0.0089,
0.1614

 85.7370, 0.2545,
0.2988

 0.0000, 0.0000,
0.0000

 111.2595, 0.2591,
0.3014

 141.4024, 0.2631,

0.3037

176.5501, 0.2665,
0.3055

■ 13.9769, 0.2109,
0.2721

■ 13.9769, 0.2109,
0.2721

■ 13.3534, 0.2072,
0.2659

■ 14.7485, 0.2162,
0.2791

■ 15.6273, 0.2233,
0.2861

■ 16.6254, 0.2322,
0.2930

■ 17.7526, 0.2427,
0.2998

■ 19.0175, 0.2546,
0.3063

■ 20.4279, 0.2677,
0.3124

■ 21.9911, 0.2817,
0.3182

■ 23.7138, 0.2962,
0.3236

■ 25.6020, 0.3111,
0.3285

Harmonies

Analogous

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



13.9769, 0.2234, 0.3199



13.9769, 0.2109, 0.2721



13.9769, 0.2220, 0.2453

Triad

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



13.9769, 0.2109, 0.2721



13.9769, 0.3646, 0.2854



13.9769, 0.3655, 0.4316

Complementary

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



13.9769, 0.2109, 0.2721



6.8640, 0.5890, 0.3549

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.



13.9769, 0.4086, 0.4097



13.9769, 0.2109, 0.2721



13.9769, 0.4101, 0.3262

Square

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



13.9769, 0.2109, 0.2721



13.9769, 0.3067, 0.2550



13.9769, 0.4261, 0.3704



13.9769, 0.3105, 0.4216

Rectangle

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



13.9769, 0.2109, 0.2721



13.9769, 0.2419, 0.2397



13.9769, 0.4261, 0.3704



13.9769, 0.3819, 0.4272

Sweetspot

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



13.9774, 0.2109, 0.2721



37.5317, 0.2726, 0.3145



18.6738, 0.2931, 0.5641



8.4622, 0.2685, 0.3128



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.9774, 0.2109, 0.2721



23.6757, 0.2068, 0.2645



4.4426, 0.1710, 0.1252



5.5236, 0.2991, 0.3246



12.0741, 0.2073, 0.2662



0.1000, 0.2164, 0.2992

Inverse Universe

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



6.9762, 0.3702, 0.1869



11.8829, 0.3781, 0.1857



14.4226, 0.4750, 0.4516



5.1123, 0.3165, 0.3116



6.0031, 0.3764, 0.1847



0.0419, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 13.9769, 0.2109, 0.2721 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 13.9769, 0.2109, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

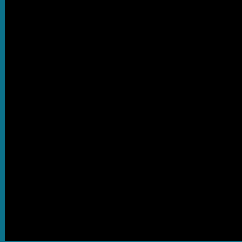
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9769, 0.2109, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 13.9769, 0.2109, 0.2721.

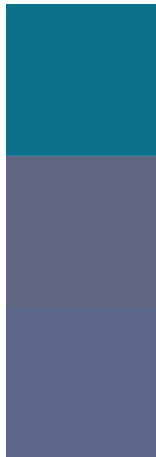


This preview shows how white text looks on a background with the Yxy color 13.9769, 0.2109, 0.2721.

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

13.9769, 0.2109, 0.2721

Protanopia

13.8806, 0.2711, 0.2712

Deuteranopia

13.9806, 0.2555, 0.2507



Tritanopia

13.9715, 0.2187, 0.3071

Trichromacy



Original Color

13.9769, 0.2109, 0.2721

Protanomaly

13.3949, 0.2375, 0.2694

Deuteranomaly

13.5285, 0.2303, 0.2558

Tritanomaly

13.8990, 0.2155, 0.2934

Monochromacy



Original Color

13.9769, 0.2109, 0.2721

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.3155, 0.2529, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9769, 0.2109, 0.2721 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(12, 114, 139)` looks like.

```
.text, #text, p{  
  color:rgb(12, 114, 139)  
}
```

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(12, 114, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 114, 139) }
```

Border

The CSS property to change the border of an element to Yxy 13.9769, 0.2109, 0.2721 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(12, 114, 139) }
```

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

```
.border{ border-color:rgb(12, 114, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 114, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 114, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 114, 139);  
box-shadow:4px 4px 4px 4px rgb(12, 114,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9769, 0.2109, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 114, 139) }
```

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

```
.background{ background-color: rgb(12, 114,  
139) }
```

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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