

Converting Colors

$Y_{xy}(13.9338, 0.2108, 0.2642)$

Have a look what the booklet for
Yxy(13.9338, 0.2108, 0.2642)
contains.

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Color

Yxy(13.9338, 0.2108, 0.2642)

Conversions

Conversions Part 1

Format	Color
Hex	16718E
RGB	22, 113, 142
RGB Percent	9%, 44%, 56%
CMY	0.9137, 0.5568, 0.4432
CMYK	0.84, 0.20, 0.00, 0.44
HSL	194°, 73%, 32%
HSV	194°, 84%, 56%
XYZ	11.1175, 13.9338, 27.6883
YIQ	89.0970, -63.5450, -10.2730

Conversions

Conversions Part 2

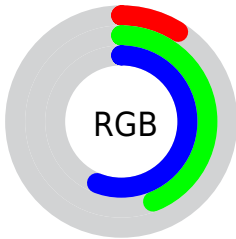
Format	Color
R _Y B	22, 74, 142
Decimal	1470862
CIE Lab	44.14, -14.69, -23.02
CIE LCh	44, 27.310, 237.464
Yxy	13.9338, 0.2108, 0.2642
Android (android.graphics.Color)	4279660942 (0xFF16718E)
YUV	89.0970, 26.0812, -58.8441
Hunter-Lab	37.3280, -12.1608, -17.8491

Details

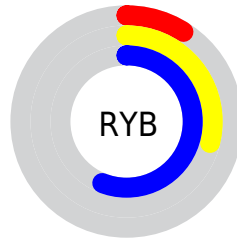
The Yxy color **13.9338, 0.2108, 0.2642** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.1744, 0.5588, 0.3660**, and the grayscale version is **9.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0196, 0.2340, 0.2805**, and **4.5533, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **13.0630, 0.2056, 0.2555**, and if you desaturate by 10%, it is **14.9223, 0.2179, 0.2729**.

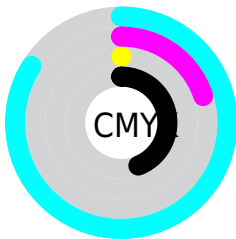
Distribution



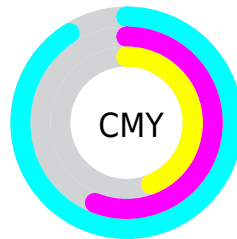
- Red (9%)
- Green (44%)
- Blue (56%)



- Red (9%)
- Yellow (29%)
- Blue (56%)



- Cyan (84%)
- Magenta (20%)
- Yellow (0%)
- Black (44%)




- Cyan (91%)
- Magenta (56%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9338, 0.2108, 0.2642 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 13.9338, 0.2108, 0.2642 by changing the saturation by 10% instead.


 13.9338, 0.2108,
0.2642


 13.9338, 0.2108,
0.2642

 216.8186, 0.2694,
0.3037


 8.0746, 0.1933,
0.2512

 32.9715, 0.2341,
0.2806


 4.1427, 0.1692,
0.2323

 46.9189, 0.2423,
0.2861


 1.7537, 0.1344,
0.2026

 64.3311, 0.2489,
0.2905

 0.4581, 0.0243,
0.1452

 85.5925, 0.2544,
0.2941

 0.0000, 0.0000,
0.0000

 111.0876, 0.2590,
0.2971

 141.2007, 0.2630,

0.2996

176.3162, 0.2664,
0.3018

■ 13.9338, 0.2108,
0.2642

■ 13.9338, 0.2108,
0.2642

■ 13.0630, 0.2056,
0.2555

■ 14.9223, 0.2179,
0.2729

■ 12.6116, 0.2030,
0.2507

■ 16.0411, 0.2268,
0.2816

■ 17.3017, 0.2374,
0.2901

■ 18.7137, 0.2494,
0.2983

■ 20.2858, 0.2626,
0.3061

■ 22.0259, 0.2766,
0.3134

■ 23.9413, 0.2912,
0.3202

■ 26.0389, 0.3060,
0.3264

■ 28.3251, 0.3209,
0.3320

Harmonies

Analogous

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



13.9338, 0.2183, 0.3083



13.9338, 0.2108, 0.2642



13.9338, 0.2268, 0.2420

Triad

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



13.9338, 0.2108, 0.2642



13.9338, 0.3763, 0.2932



13.9338, 0.3546, 0.4332

Complementary

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



13.9338, 0.2108, 0.2642



8.1744, 0.5588, 0.3660

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.



13.9338, 0.4017, 0.4168



13.9338, 0.2108, 0.2642



13.9338, 0.4169, 0.3355

Square

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



13.9338, 0.2108, 0.2642



13.9338, 0.3189, 0.2599



13.9338, 0.4257, 0.3796



13.9338, 0.2987, 0.4154

Rectangle

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



13.9338, 0.2108, 0.2642



13.9338, 0.2499, 0.2394



13.9338, 0.4257, 0.3796



13.9338, 0.3720, 0.4310

Sweetspot

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



13.9343, 0.2108, 0.2642



38.5221, 0.2751, 0.3127



19.7424, 0.2891, 0.5395



8.3882, 0.2707, 0.3105



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.



13.9343, 0.2108, 0.2642



21.9814, 0.2025, 0.2490



4.7620, 0.1744, 0.1271



5.8986, 0.2990, 0.3236



11.3554, 0.2031, 0.2511



0.1427, 0.2144, 0.2917

Inverse Universe

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



7.5160, 0.3770, 0.1965



12.0124, 0.3933, 0.1940



16.9575, 0.4563, 0.4586



5.4891, 0.3171, 0.3125



6.1327, 0.3912, 0.1928



0.0621, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 13.9338, 0.2108, 0.2642 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 13.9338, 0.2108, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

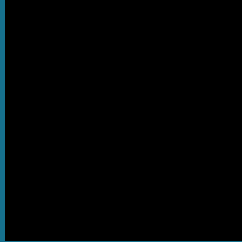
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.9338, 0.2108, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 13.9338, 0.2108, 0.2642.

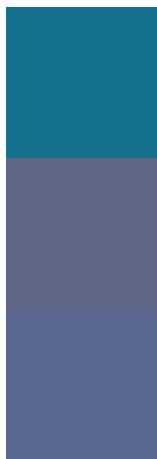


This preview shows how white text looks on a background with the Yxy color 13.9338, 0.2108, 0.2642.

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

13.9338, 0.2108, 0.2642

Protanopia

13.9085, 0.2668, 0.2655

Deuteranopia

13.8878, 0.2504, 0.2466



Tritanopia

13.9715, 0.2187, 0.3071

Trichromacy



Original Color

13.9338, 0.2108, 0.2642

Protanomaly

13.5867, 0.2376, 0.2640

Deuteranomaly

13.6224, 0.2296, 0.2524

Tritanomaly

13.9518, 0.2156, 0.2913

Monochromacy



Original Color

13.9338, 0.2108, 0.2642

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.9419, 0.2570, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9338, 0.2108, 0.2642 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, 113, 142)` looks like.

```
.text, #text, p{  
  color:rgb(22, 113, 142)  
}
```

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, 113, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 113, 142) }
```

Border

The CSS property to change the border of an element to Yxy 13.9338, 0.2108, 0.2642 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, 113, 142) }
```

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

```
.border{ border-color:rgb(22, 113, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 113, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 113, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 113, 142); box-shadow:4px 4px 4px 4px rgb(22, 113, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9338, 0.2108, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 113, 142) }
```

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

```
.background{ background-color: rgb(22, 113,  
142) }
```

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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