

Converting Colors

$Yxy(13.6626, 0.2090, 0.2724)$

Have a look what the booklet for
Yxy(13.6626, 0.2090, 0.2724)
contains.

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Color

$Y_{xy}(13.6452, 0.2088, 0.2715)$

Conversions

Conversions Part 1

Format	Color
Hex	00718A
RGB	0, 113, 138
RGB Percent	0%, 44%, 54%
CMY	0.9989, 0.5569, 0.4589
CMYK	1.00, 0.18, 0.00, 0.46
HSL	191°, 100%, 27%
HSV	191°, 100%, 54%
XYZ	10.4940, 13.6452, 26.1194
YIQ	82.0630, -75.3730, -16.1810

Conversions

Conversions Part 2

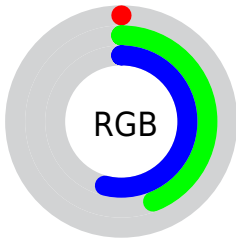
Format	Color
RYB	0, 62, 138
Decimal	29066
CIELab	43.72, -17.55, -21.30
CIELCh	44, 27.599, 230.526
Yxy	13.6452, 0.2088, 0.2715
Android (android.graphics.Color)	4278219146 (0xFF00718A)
YUV	82.0630, 27.5769, -71.9693
Hunter-Lab	36.9394, -13.9345, -16.0656

Details

The Yxy color **13.6452, 0.2088, 0.2715** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.1091, 0.6170, 0.3479**, and the grayscale version is **8.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5099, 0.2326, 0.2859**, and **4.4852, 0.2024, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **13.6329, 0.2087, 0.2714**, and if you desaturate by 10%, it is **14.3043, 0.2128, 0.2778**.

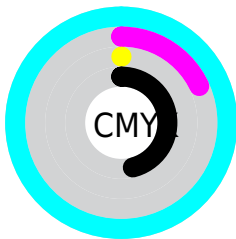
Distribution



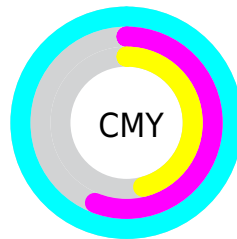
- Red (0%)
- Green (44%)
- Blue (54%)



- Red (0%)
- Yellow (24%)
- Blue (54%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (46%)




- Cyan (100%)
- Magenta (56%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6452, 0.2088, 0.2715 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 13.6452, 0.2088, 0.2715 by changing the saturation by 10% instead.


 13.6452, 0.2088,
0.2715


 13.6452, 0.2088,
0.2715


 215.0123, 0.2687,
0.3071


 7.8743, 0.1908,
0.2594


 32.4582, 0.2327,
0.2865


 4.0146, 0.1659,
0.2415

 46.2690, 0.2410,
0.2915


 1.6817, 0.1300,
0.2127

 63.5286, 0.2478,
0.2955

 0.4118, 0.0000,
0.1517

 84.6214, 0.2534,
0.2987

 0.0000, 0.0000,
0.0000

 109.9318, 0.2582,
0.3013

 139.8442, 0.2622,

0.3036

174.7428, 0.2657,
0.3055

■ 13.6452, 0.2088,
0.2715

■ 13.6452, 0.2088,
0.2715

■ 13.6329, 0.2087,
0.2714

■ 14.3043, 0.2128,
0.2778

■ 15.0373, 0.2181,
0.2842

■ 15.8752, 0.2252,
0.2906

■ 16.8288, 0.2341,
0.2969

■ 17.9075, 0.2446,
0.3030

■ 19.1198, 0.2566,
0.3089

■ 20.4731, 0.2697,
0.3145

■ 21.9745, 0.2836,
0.3198

■ 23.6303, 0.2982,
0.3246

Harmonies

Analogous

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



13.6452, 0.2220, 0.3208



13.6452, 0.2088, 0.2715



13.6452, 0.2197, 0.2438

Triad

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



13.6452, 0.2088, 0.2715



13.6452, 0.3646, 0.2837



13.6452, 0.3676, 0.4339

Complementary

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



13.6452, 0.2088, 0.2715



6.1091, 0.6170, 0.3479

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.



13.6452, 0.4114, 0.4107



13.6452, 0.2088, 0.2715



13.6452, 0.4117, 0.3251

Square

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



13.6452, 0.2088, 0.2715



13.6452, 0.3053, 0.2530



13.6452, 0.4288, 0.3702



13.6452, 0.3114, 0.4246

Rectangle

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



13.6452, 0.2088, 0.2715



13.6452, 0.2396, 0.2379



13.6452, 0.4288, 0.3702



13.6452, 0.3843, 0.4291

Sweetspot

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



13.6457, 0.2088, 0.2715



35.8859, 0.2685, 0.3141



18.2371, 0.2951, 0.5819



7.8498, 0.2637, 0.3121



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.6457, 0.2088, 0.2715



23.8262, 0.2084, 0.2701



3.8042, 0.1646, 0.1124



5.5369, 0.2991, 0.3249



12.5216, 0.2088, 0.2716



0.1018, 0.2172, 0.3018

Inverse Universe

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



6.6001, 0.3714, 0.1821



11.6030, 0.3728, 0.1827



13.0709, 0.4909, 0.4482



5.1137, 0.3163, 0.3113



6.0483, 0.3713, 0.1819



0.0421, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 13.6452, 0.2088, 0.2715 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 13.6452, 0.2088, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

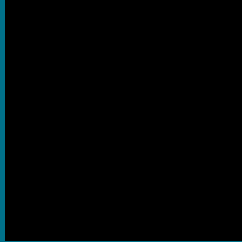
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.6452, 0.2088, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 13.6452, 0.2088, 0.2715.

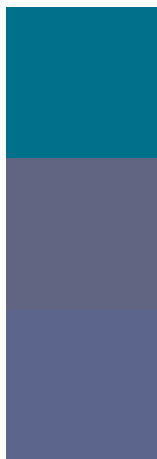


This preview shows how white text looks on a background with the Yxy color 13.6452, 0.2088, 0.2715.

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

13.6452, 0.2088, 0.2715

Protanopia

13.6012, 0.2708, 0.2708

Deuteranopia

13.7011, 0.2551, 0.2501



Tritanopia

13.7167, 0.2186, 0.3070

Trichromacy



Original Color

13.6452, 0.2088, 0.2715

Protanomaly

12.9936, 0.2337, 0.2684

Deuteranomaly

13.1313, 0.2268, 0.2547

Tritanomaly

13.6196, 0.2148, 0.2931

Monochromacy



Original Color

13.6452, 0.2088, 0.2715

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.5181, 0.2473, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6452, 0.2088, 0.2715 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(0, 113, 138)` looks like.

```
.text, #text, p{  
  color:rgb(0, 113, 138)  
}
```

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(0, 113, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 138) }
```

Border

The CSS property to change the border of an element to Yxy 13.6452, 0.2088, 0.2715 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(0, 113, 138) }
```

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

```
.border{ border-color:rgb(0, 113, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6452, 0.2088, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 138) }
```

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

```
.background{ background-color: rgb(0, 113,  
138) }
```

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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