

Converting Colors

$Y_{xy}(11.7325, 0.2155, 0.2796)$

Have a look what the booklet for
Yxy(11.7325, 0.2155, 0.2796)
contains.

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Color

Yxy(11.7325, 0.2155, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	14697D
RGB	20, 105, 125
RGB Percent	8%, 41%, 49%
CMY	0.9211, 0.5882, 0.5098
CMYK	0.84, 0.16, 0.00, 0.51
HSL	191°, 72%, 28%
HSV	191°, 84%, 49%
XYZ	9.0428, 11.7325, 21.1865
YIQ	81.8650, -57.0800, -11.8000

Conversions

Conversions Part 2

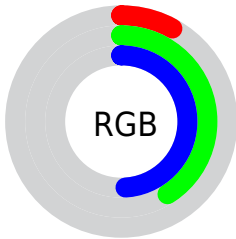
Format	Color
R_{YB}	20, 67, 125
Decimal	1337725
CIE _{Lab}	40.79, -16.52, -17.98
CIE _{LCh}	41, 24.419, 227.434
Yxy	11.7325, 0.2155, 0.2796
Android (android.graphics.Color)	4279527805 (0xFF14697D)
YUV	81.8650, 21.2656, -54.2556
Hunter-Lab	34.2527, -12.8181, -12.6960

Details

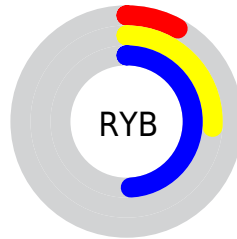
The Yxy color **11.7325, 0.2155, 0.2796** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.9349, 0.5630, 0.3575**, and the grayscale version is **8.3811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8761, 0.2384, 0.2920**, and **3.5479, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **11.1535, 0.2107, 0.2730**, and if you desaturate by 10%, it is **12.3922, 0.2221, 0.2863**.

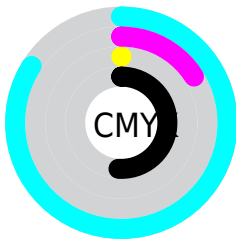
Distribution



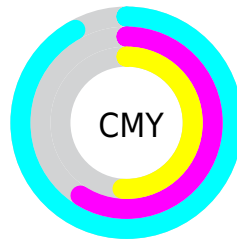
- Red (8%)
- Green (41%)
- Blue (49%)



- Red (8%)
- Yellow (26%)
- Blue (49%)



- Cyan (84%)
- Magenta (16%)
- Yellow (0%)
- Black (51%)



- Cyan (92%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7325, 0.2155, 0.2796 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 11.7325, 0.2155, 0.2796 by changing the saturation by 10% instead.

11.7325, 0.2155,
0.2796

11.7325, 0.2155,
0.2796

202.6262, 0.2730,
0.3110

6.5618, 0.1974,
0.2683

29.0070, 0.2390,
0.2932

3.1896, 0.1714,
0.2509

41.8795, 0.2470,
0.2976

1.2315, 0.1316,
0.2215

58.0881, 0.2534,
0.3010

0.0872, 0.0000,
0.0584

78.0172, 0.2588,
0.3038

0.0000, 0.0000,
0.0000

102.0512, 0.2632,
0.3061

130.5744, 0.2670,

0.3080

163.9713, 0.2702,
0.3096

■ 11.7325, 0.2155,
0.2796

■ 11.7325, 0.2155,
0.2796

■ 11.1535, 0.2107,
0.2730

■ 12.3922, 0.2221,
0.2863

■ 10.8194, 0.2080,
0.2689

■ 13.1416, 0.2304,
0.2929

■ 13.9888, 0.2404,
0.2994

■ 14.9407, 0.2518,
0.3056

■ 16.0035, 0.2645,
0.3116

■ 17.1827, 0.2781,
0.3172

■ 18.4837, 0.2923,
0.3224

■ 19.9111, 0.3070,
0.3272

■ 21.4698, 0.3217,
0.3316

Harmonies

Analogous

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



11.7325, 0.2304, 0.3273



11.7325, 0.2155, 0.2796



11.7325, 0.2234, 0.2511

Triad

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



11.7325, 0.2155, 0.2796



11.7325, 0.3556, 0.2831



11.7325, 0.3693, 0.4256

Complementary

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



11.7325, 0.2155, 0.2796



5.9349, 0.5630, 0.3575

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.



11.7325, 0.4079, 0.4024



11.7325, 0.2155, 0.2796



11.7325, 0.4013, 0.3214

Square

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



11.7325, 0.2155, 0.2796



11.7325, 0.3004, 0.2555



11.7325, 0.4207, 0.3638



11.7325, 0.3174, 0.4199

Rectangle

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



11.7325, 0.2155, 0.2796



11.7325, 0.2409, 0.2439



11.7325, 0.4207, 0.3638



11.7325, 0.3843, 0.4204

Sweetspot

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



11.7329, 0.2155, 0.2796



30.4018, 0.2757, 0.3163



14.9634, 0.2921, 0.5466



6.7749, 0.2718, 0.3147



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.



11.7329, 0.2155, 0.2796



19.1781, 0.2076, 0.2674



4.2062, 0.1795, 0.1430



4.7519, 0.2993, 0.3248



11.2846, 0.2080, 0.2688



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8834, 0.3626, 0.1895



9.4760, 0.3753, 0.1841



12.0262, 0.4632, 0.4495



4.3988, 0.3163, 0.3117



5.5337, 0.3740, 0.1834



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 11.7325, 0.2155, 0.2796 looks on a white background.

Color Contrast Check

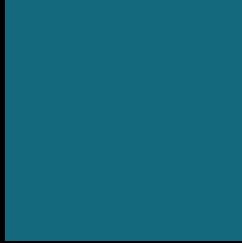
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7325, 0.2155, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

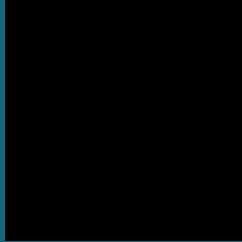
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7325, 0.2155, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 11.7325, 0.2155, 0.2796.

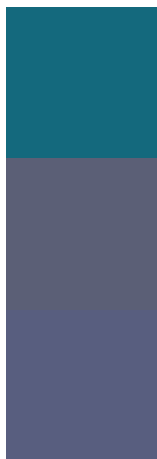


This preview shows how white text looks on a background with the Yxy color 11.7325, 0.2155, 0.2796.

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

11.7325, 0.2155, 0.2796

Protanopia

11.7166, 0.2768, 0.2778

Deuteranopia

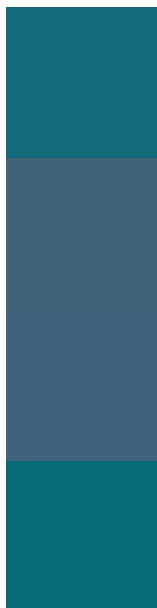
11.6124, 0.2625, 0.2571



Tritanopia

11.7532, 0.2189, 0.3081

Trichromacy



Original Color

11.7325, 0.2155, 0.2796

Protanomaly

11.4280, 0.2445, 0.2768

Deuteranomaly

11.2985, 0.2376, 0.2636

Tritanomaly

11.6851, 0.2169, 0.2957

Monochromacy



Original Color

11.7325, 0.2155, 0.2796

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.1240, 0.2581, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7325, 0.2155, 0.2796 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(20, 105, 125)` looks like.

```
.text, #text, p{  
    color:rgb(20, 105, 125)  
}
```

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(20, 105, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 105, 125) }
```

Border

The CSS property to change the border of an element to Yxy 11.7325, 0.2155, 0.2796 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(20, 105, 125) }
```

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

```
.border{ border-color:rgb(20, 105, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 105, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 105, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 105, 125);  
box-shadow:4px 4px 4px 4px rgb(20, 105,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7325, 0.2155, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 105, 125) }
```

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

```
.background{ background-color: rgb(20, 105,  
125) }
```

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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