

Converting Colors

$Y_{xy}(14.2065, 0.2551, 0.2991)$

Have a look what the booklet for
Yxy(14.2065, 0.2551, 0.2991)
contains.

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Color

$Y_{xy}(14.2800, 0.2551, 0.2999)$

Conversions

Conversions Part 1

Format	Color
Hex	4A6F7C
RGB	74, 111, 124
RGB Percent	29%, 44%, 49%
CMY	0.7098, 0.5647, 0.5137
CMYK	0.40, 0.10, 0.00, 0.51
HSL	196°, 25%, 39%
HSV	196°, 40%, 49%
XYZ	12.1468, 14.2800, 21.1891
YIQ	101.4190, -26.2250, -3.8010

Conversions

Conversions Part 2

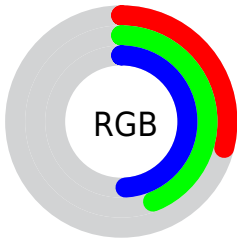
Format	Color
RYB	74, 95, 124
Decimal	4878204
CIELab	44.63, -9.49, -11.36
CIELCh	45, 14.805, 230.121
Yxy	14.2800, 0.2551, 0.2999
Android (android.graphics.Color)	4283068284 (0xFF4A6F7C)
YUV	101.4190, 11.1324, -24.0465
Hunter-Lab	37.7889, -8.7538, -6.7930

Details

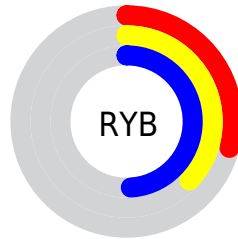
The Yxy color **14.2800, 0.2551, 0.2999** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5978, 0.3976, 0.3559**, and the grayscale version is **13.1038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7287, 0.2687, 0.3073**, and **4.2572, 0.2286, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **13.1446, 0.2425, 0.2913**, and if you desaturate by 10%, it is **15.5390, 0.2687, 0.3080**.

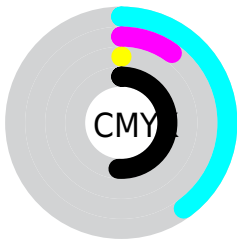
Distribution



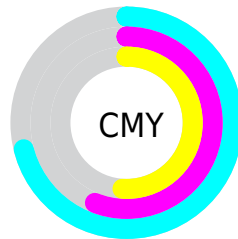
- Red (29%)
- Green (44%)
- Blue (49%)



- Red (29%)
- Yellow (37%)
- Blue (49%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (51%)



- Cyan (71%)
- Magenta (56%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2800, 0.2551, 0.2999 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 14.2800, 0.2551, 0.2999 by changing the saturation by 10% instead.

■ 14.2800, 0.2551,
0.2999

■ 14.2800, 0.2551,
0.2999

■ 218.9658, 0.2889,
0.3177

■ 8.3157, 0.2444,
0.2938

■ 33.5850, 0.2689,
0.3074

■ 4.2976, 0.2289,
0.2846

■ 47.6945, 0.2736,
0.3099

■ 1.8414, 0.2046,
0.2693

■ 65.2878, 0.2774,
0.3119

■ 0.5128, 0.1175,
0.2357

■ 86.7494, 0.2805,
0.3135

■ 0.0000, 0.0000,
0.0000

■ 112.4636, 0.2831,
0.3148

142.8148, 0.2853,

0.3159

178.1874, 0.2873,
0.3169

■ 14.2800, 0.2551,
0.2999

■ 14.2800, 0.2551,
0.2999

■ 13.1446, 0.2425,
0.2913

■ 15.5390, 0.2687,
0.3080

■ 12.1251, 0.2311,
0.2824

■ 16.9255, 0.2829,
0.3155

■ 11.2155, 0.2212,
0.2732

■ 18.4451, 0.2975,
0.3225

■ 10.4084, 0.2130,
0.2638

■ 20.1027, 0.3122,
0.3288

■ 9.6951, 0.2066,
0.2545

■ 21.9028, 0.3268,
0.3345

■ 9.0673, 0.2015,
0.2454

■ 23.8497, 0.3411,
0.3396

■ 25.9477, 0.3551,
0.3442

■ 28.2005, 0.3684,
0.3482

■ 30.6121, 0.3812,
0.3518

Harmonies

Analogous

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



14.2800, 0.2634, 0.3265



14.2800, 0.2551, 0.2999



14.2800, 0.2612, 0.2830

Triad

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



14.2800, 0.2551, 0.2999



14.2800, 0.3401, 0.3041



14.2800, 0.3439, 0.3838

Complementary

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



14.2800, 0.2551, 0.2999



11.5978, 0.3976, 0.3559

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.



14.2800, 0.3662, 0.3742



14.2800, 0.2551, 0.2999



14.2800, 0.3643, 0.3281

Square

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



14.2800, 0.2551, 0.2999



14.2800, 0.3092, 0.2863



14.2800, 0.3739, 0.3535



14.2800, 0.3139, 0.3773

Rectangle

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



14.2800, 0.2551, 0.2999



14.2800, 0.2728, 0.2786



14.2800, 0.3739, 0.3535



14.2800, 0.3525, 0.3822

Sweetspot

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



14.2806, 0.2551, 0.2999



31.9110, 0.2947, 0.3212



16.5543, 0.2950, 0.4162



7.4503, 0.2932, 0.3205



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.



14.2806, 0.2551, 0.2999



23.3538, 0.2439, 0.2924



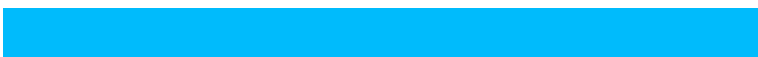
9.6468, 0.2464, 0.2418



4.3444, 0.2994, 0.3233



9.2113, 0.2015, 0.2454



42.5044, 0.2002, 0.2406

Inverse Universe

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



10.3307, 0.3384, 0.2565



15.7208, 0.3460, 0.2413



16.2606, 0.3788, 0.4029



4.0606, 0.3173, 0.3133



5.1368, 0.3969, 0.1960



24.3580, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 14.2800, 0.2551, 0.2999 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 14.2800, 0.2551, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

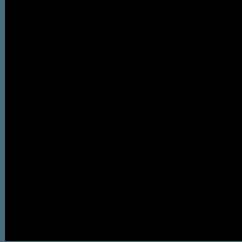
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2800, 0.2551, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 14.2800, 0.2551, 0.2999.



This preview shows how white text looks on a background with the Yxy color 14.2800, 0.2551, 0.2999.

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

14.2800, 0.2551, 0.2999

Protanopia

14.1403, 0.2913, 0.2956

Deuteranopia

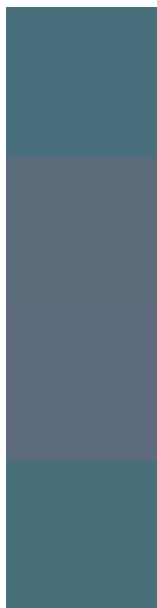
14.2101, 0.2867, 0.2821



Tritanopia

14.3853, 0.2573, 0.3086

Trichromacy



Original Color

14.2800, 0.2551, 0.2999

Protanomaly

14.1712, 0.2767, 0.2988

Deuteranomaly

14.1684, 0.2746, 0.2888

Tritanomaly

14.4099, 0.2564, 0.3064

Monochromacy



Original Color

14.2800, 0.2551, 0.2999

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.4314, 0.2889, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2800, 0.2551, 0.2999 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(74, 111, 124)` looks like.

```
.text, #text, p{  
    color:rgb(74, 111, 124)  
}
```

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(74, 111, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 111, 124) }
```

Border

The CSS property to change the border of an element to Yxy 14.2800, 0.2551, 0.2999 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(74, 111, 124) }
```

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

```
.border{ border-color:rgb(74, 111, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 111, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 111, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 111, 124);  
box-shadow:4px 4px 4px 4px rgb(74, 111,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2800, 0.2551, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 111, 124) }
```

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

```
.background{ background-color: rgb(74, 111,  
124) }
```

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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