

Converting Colors

$Yxy(14.1415, 0.2223, 0.2696)$

Have a look what the booklet for
Yxy(14.1415, 0.2223, 0.2696)
contains.

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Color

$Y_{xy}(14.0333, 0.2221, 0.2692)$

Conversions

Conversions Part 1

Format	Color
Hex	2E708B
RGB	46, 112, 139
RGB Percent	18%, 44%, 55%
CMY	0.8198, 0.5607, 0.4550
CMYK	0.67, 0.19, 0.00, 0.45
HSL	197°, 50%, 36%
HSV	197°, 67%, 55%
XYZ	11.5780, 14.0333, 26.5183
YIQ	95.3440, -48.0030, -5.5950

Conversions

Conversions Part 2

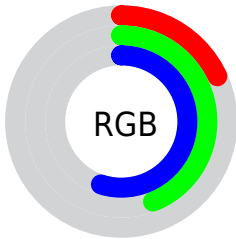
Format	Color
R_{YB}	46, 85, 139
Decimal	3043467
CIE _{Lab}	44.28, -11.97, -20.97
CIE _{LCh}	44, 24.145, 240.271
Yxy	14.0333, 0.2221, 0.2692
Android (android.graphics.Color)	4281233547 (0xFF2E708B)
YUV	95.3440, 21.5224, -43.2747
Hunter-Lab	37.4610, -10.3883, -15.7481

Details

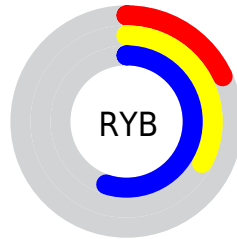
The Yxy color **14.0333, 0.2221, 0.2692** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **10.4383, 0.4855, 0.3750**, and the grayscale version is **11.4831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2847, 0.2432, 0.2841**, and **4.3881, 0.2006, 0.2420** is the 20% darker color. If you saturate the color by 10%, you get **12.8926, 0.2129, 0.2586**, and if you desaturate by 10%, it is **15.3193, 0.2330, 0.2796**.

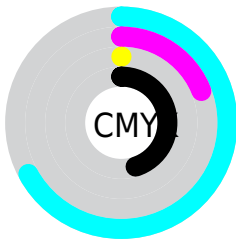
Distribution



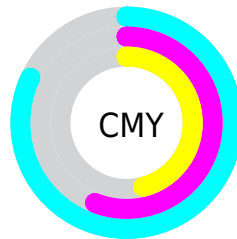
- Red (18%)
- Green (44%)
- Blue (55%)



- Red (18%)
- Yellow (33%)
- Blue (55%)



- Cyan (67%)
- Magenta (19%)
- Yellow (0%)
- Black (45%)





- Cyan (82%)
- Magenta (56%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0333, 0.2221, 0.2692 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 14.0333, 0.2221, 0.2692 by changing the saturation by 10% instead.


 14.0333, 0.2221,
0.2692

 14.0333, 0.2221,
0.2692


 217.4379, 0.2745,
0.3055


 8.1438, 0.2062,
0.2573


 33.1481, 0.2431,
0.2843


 4.1871, 0.1840,
0.2398

 47.1422, 0.2504,
0.2893

 1.7788, 0.1512,
0.2123

 64.6067, 0.2563,
0.2934

 0.4739, 0.0525,
0.1572

 85.9259, 0.2612,
0.2967

 0.0000, 0.0000,
0.0000

 111.4842, 0.2653,
0.2994

 141.6660, 0.2688,

0.3017

176.8558, 0.2719,
0.3037

■ 14.0333, 0.2221,
0.2692

■ 14.0333, 0.2221,
0.2692

■ 12.8926, 0.2129,
0.2586

■ 15.3193, 0.2330,
0.2796

■ 11.8847, 0.2056,
0.2479

■ 16.7587, 0.2452,
0.2897

■ 10.9906, 0.2000,
0.2373

■ 18.3606, 0.2586,
0.2992

■ 10.7291, 0.1984,
0.2341

■ 20.1329, 0.2728,
0.3082

■ 22.0830, 0.2875,
0.3165

■ 24.2175, 0.3024,
0.3241

■ 26.5429, 0.3172,
0.3310

■ 29.0653, 0.3318,
0.3372

■ 31.7903, 0.3460,
0.3428

Harmonies

Analogous

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



14.0333, 0.2270, 0.3070



14.0333, 0.2221, 0.2692



14.0333, 0.2386, 0.2507

Triad

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



14.0333, 0.2221, 0.2692



14.0333, 0.3731, 0.3007



14.0333, 0.3459, 0.4203

Complementary

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



14.0333, 0.2221, 0.2692



10.4383, 0.4855, 0.3750

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.



14.0333, 0.3887, 0.4095



14.0333, 0.2221, 0.2692



14.0333, 0.4065, 0.3393

Square

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



14.0333, 0.2221, 0.2692



14.0333, 0.3234, 0.2696



14.0333, 0.4118, 0.3785



14.0333, 0.2962, 0.4012

Rectangle

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



14.0333, 0.2221, 0.2692



14.0333, 0.2605, 0.2492



14.0333, 0.4118, 0.3785



14.0333, 0.3616, 0.4197

Sweetspot

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



14.0338, 0.2221, 0.2692



38.3005, 0.2824, 0.3137



19.5120, 0.2856, 0.4831



8.6249, 0.2787, 0.3116



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.



14.0338, 0.2221, 0.2692



22.1998, 0.2092, 0.2535



6.3512, 0.1967, 0.1615



5.4478, 0.2991, 0.3225



9.7161, 0.1985, 0.2345



0.0898, 0.2120, 0.2830

Inverse Universe

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



8.6071, 0.3694, 0.2186



12.9702, 0.3868, 0.2058



18.8364, 0.4234, 0.4503



5.1047, 0.3178, 0.3136



5.7651, 0.4079, 0.2021



0.0408, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 14.0333, 0.2221, 0.2692 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 14.0333, 0.2221, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

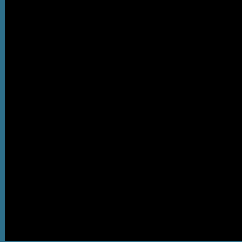
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0333, 0.2221, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 14.0333, 0.2221, 0.2692.

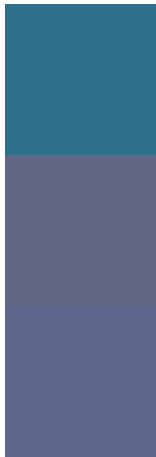


This preview shows how white text looks on a background with the Yxy color 14.0333, 0.2221, 0.2692.

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

14.0333, 0.2221, 0.2692

Protanopia

13.9078, 0.2701, 0.2694

Deuteranopia

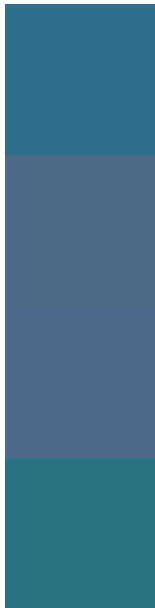
14.0033, 0.2575, 0.2526



Tritanopia

14.1100, 0.2296, 0.3075

Trichromacy



Original Color

14.0333, 0.2221, 0.2692

Protanomaly

13.6770, 0.2473, 0.2669

Deuteranomaly

13.7793, 0.2420, 0.2575

Tritanomaly

14.0707, 0.2269, 0.2941

Monochromacy



Original Color

14.0333, 0.2221, 0.2692

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.0328, 0.2685, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0333, 0.2221, 0.2692 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(46, 112, 139)` looks like.

```
.text, #text, p{  
    color:rgb(46, 112, 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(46, 112, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 112, 139) }
```

Border

The CSS property to change the border of an element to Yxy 14.0333, 0.2221, 0.2692 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(46, 112, 139) }
```

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

```
.border{ border-color:rgb(46, 112, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 112, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 112, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 112, 139);  
box-shadow:4px 4px 4px 4px rgb(46, 112,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0333, 0.2221, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 112, 139) }
```

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

```
.background{ background-color: rgb(46, 112,  
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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