

# Converting Colors

$Y_{xy}(14.1541, 0.2441, 0.3214)$

Have a look what the booklet for  
Yxy(14.1541, 0.2441, 0.3214)  
contains.

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# Color

**Yxy(14.0759, 0.2445, 0.3217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	357275
RGB	53, 114, 117
RGB Percent	21%, 45%, 46%
CMY	0.7920, 0.5530, 0.5412
CMYK	0.55, 0.03, 0.00, 0.54
HSL	183°, 38%, 33%
HSV	183°, 55%, 46%
XYZ	10.6980, 14.0759, 18.9808
YIQ	96.1030, -37.3190, -11.9990

# Conversions

## Conversions Part 2

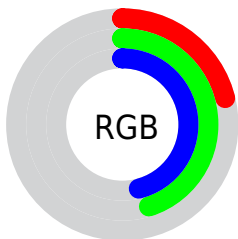
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 84, 117
Decimal	3502709
CIELab	44.34, -18.68, -7.69
CIELCh	44, 20.201, 202.367
Yxy	14.0759, 0.2445, 0.3217
Android (android.graphics.Color)	4281692789 (0xFF357275)
YUV	96.1030, 10.3022, -37.8013
Hunter-Lab	37.5179, -14.7579, -3.7331




# Details

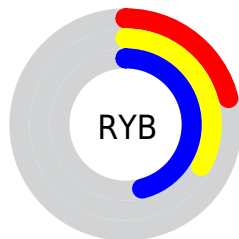
The Yxy color **14.0759, 0.2445, 0.3217** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8722, 0.4589, 0.3357**, and the grayscale version is **11.7081, 0.3127, 0.3290**.




A 20% lighter version of the original color is **33.2012, 0.2609, 0.3240**, and **4.3261, 0.2213, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **13.6735, 0.2364, 0.3202**, and if you desaturate by 10%, it is **14.5576, 0.2543, 0.3232**.

# Distribution







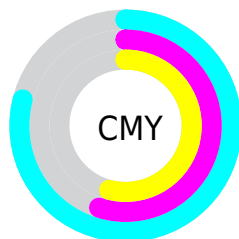
-  Red (21%)
-  Green (45%)
-  Blue (46%)






-  Red (21%)
-  Yellow (33%)
-  Blue (46%)



-  Cyan (55%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (54%)




-  Cyan (79%)
-  Magenta (55%)
-  Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.0759, 0.2445, 0.3217 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 14.0759, 0.2445, 0.3217 by changing the saturation by 10% instead.





 14.0759, 0.2445,  
0.3217


 14.0759, 0.2445,  
0.3217


 217.7025, 0.2846,  
0.3269

 8.1735, 0.2318,  
0.3195

 33.2236, 0.2609,  
0.3241


 4.2062, 0.2134,  
0.3157

 47.2377, 0.2664,  
0.3249

 1.7895, 0.1847,  
0.3085

 64.7245, 0.2709,  
0.3254

 0.4806, 0.0005,  
0.3110

 86.0684, 0.2746,  
0.3258

 0.0000, 0.0000,  
0.0000

 111.6537, 0.2777,  
0.3262

 141.8649, 0.2804,

0.3265

177.0864, 0.2826,  
0.3267

■ 14.0759, 0.2445,  
0.3217

■ 14.0759, 0.2445,  
0.3217

■ 13.6735, 0.2364,  
0.3202

■ 14.5576, 0.2543,  
0.3232

■ 13.3430, 0.2300,  
0.3187

■ 15.1221, 0.2655,  
0.3246

■ 13.0784, 0.2254,  
0.3172

■ 15.7748, 0.2780,  
0.3260

■ 12.8695, 0.2223,  
0.3157

■ 16.5198, 0.2916,  
0.3273

■ 12.7647, 0.2208,  
0.3149

■ 17.3614, 0.3059,  
0.3285

■ 18.3033, 0.3207,  
0.3296

■ 19.3492, 0.3358,  
0.3306

■ 20.5025, 0.3509,  
0.3315

■ 21.7664, 0.3659,  
0.3323

# Harmonies

## Analogous

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



14.0759, 0.2714, 0.3631



14.0759, 0.2445, 0.3217



14.0759, 0.2351, 0.2862

# Triad

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



14.0759, 0.2445, 0.3217



14.0759, 0.3106, 0.2732



14.0759, 0.3838, 0.3916

# Complementary

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



14.0759, 0.2445, 0.3217



6.8722, 0.4589, 0.3357

# 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.



14.0759, 0.3969, 0.3634



14.0759, 0.2445, 0.3217



14.0759, 0.3531, 0.2974

# Square

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



14.0759, 0.2445, 0.3217



14.0759, 0.2712, 0.2615



14.0759, 0.3856, 0.3295



14.0759, 0.3517, 0.4049



# Rectangle

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



14.0759, 0.2445, 0.3217



14.0759, 0.2394, 0.2705



14.0759, 0.3856, 0.3295



14.0759, 0.3907, 0.3834

# Sweetspot

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



14.0764, 0.2445, 0.3217



29.3381, 0.2891, 0.3270



13.7572, 0.3031, 0.4891



6.6957, 0.2869, 0.3268



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290



# Same Dimension

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



14.0764, 0.2445, 0.3217



24.2938, 0.2343, 0.3197



8.2125, 0.2285, 0.2417



4.1273, 0.2995, 0.3280



14.0589, 0.2208, 0.3148



68.1521, 0.2206, 0.3140



# Inverse Universe

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



7.5473, 0.3239, 0.2099



11.3766, 0.3267, 0.1884



10.8805, 0.4198, 0.4007



3.7551, 0.3143, 0.3090



5.4432, 0.3326, 0.1606

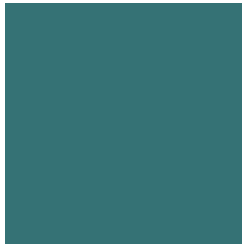


26.4894, 0.3332, 0.1609



# Previews

## White Background



This preview shows how the Yxy color 14.0759, 0.2445, 0.3217 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 14.0759, 0.2445, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

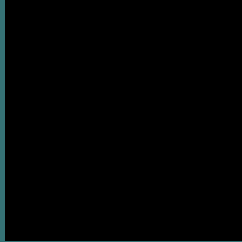
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 14.0759, 0.2445, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.0759, 0.2445, 0.3217.



This preview shows how white text looks on a background with the Yxy color 14.0759, 0.2445, 0.3217.

# 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

14.0759, 0.2445, 0.3217

### Protanopia

13.9914, 0.3037, 0.3141

### Deuteranopia

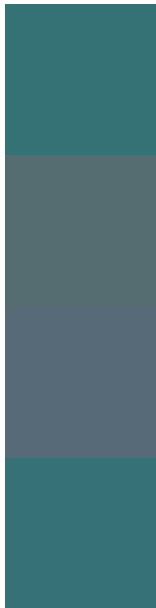
13.9846, 0.2965, 0.2919



## Tritanopia

14.0276, 0.2413, 0.3079

# Trichromacy



## Original Color

14.0759, 0.2445, 0.3217

## Protanomaly

13.8487, 0.2773, 0.3177

## Deuteranomaly

13.6662, 0.2727, 0.3002

## Tritanomaly

13.9506, 0.2422, 0.3124

# Monochromacy



## Original Color

14.0759, 0.2445, 0.3217

## Achromatopsia

11.6971, 0.3127, 0.3290

## Achromatomaly

12.4054, 0.2805, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.0759, 0.2445, 0.3217 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(53, 114, 117)` looks like.

```
.text, #text, p{  
    color:rgb(53, 114, 117)  
}
```

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(53, 114, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 114, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 14.0759, 0.2445, 0.3217 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(53, 114, 117) }
```

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

```
.border{ border-color:rgb(53, 114, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 114, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(53, 114, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(53, 114, 117); box-shadow:4px 4px 4px 4px rgb(53, 114, 117) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.0759, 0.2445, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 114, 117) }
```

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

```
.background{ background-color: rgb(53, 114,  
117) }
```

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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