

Converting Colors

$Y_{xy}(13.5261, 0.2406, 0.3235)$

Have a look what the booklet for
Yxy(13.5261, 0.2406, 0.3235)
contains.

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Color

$Y_{xy}(13.6289, 0.2407, 0.3239)$

Conversions

Conversions Part 1

Format	Color
Hex	2E7173
RGB	46, 113, 115
RGB Percent	18%, 44%, 45%
CMY	0.8195, 0.5569, 0.5490
CMYK	0.60, 0.02, 0.00, 0.55
HSL	182°, 43%, 32%
HSV	182°, 60%, 45%
XYZ	10.1281, 13.6289, 18.3205
YIQ	93.1950, -40.5740, -13.5820

Conversions

Conversions Part 2

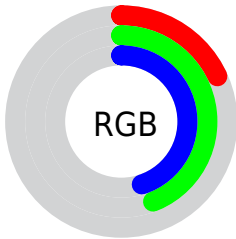
Format	Color
R_{YB}	46, 80, 115
Decimal	3043699
CIE Lab	43.70, -20.26, -7.49
CIE LCh	44, 21.604, 200.284
Yxy	13.6289, 0.2407, 0.3239
Android (android.graphics.Color)	4281233779 (0xFF2E7173)
YUV	93.1950, 10.7499, -41.3900
Hunter-Lab	36.9173, -15.6349, -3.5810




Details

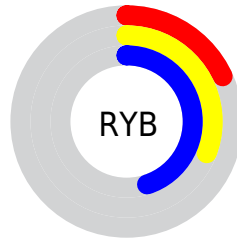
The Yxy color **13.6289, 0.2407, 0.3239** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.9616, 0.4826, 0.3336**, and the grayscale version is **10.9783, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.4096, 0.2580, 0.3255**, and **4.1858, 0.2224, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **13.3221, 0.2337, 0.3230**, and if you desaturate by 10%, it is **14.0087, 0.2494, 0.3248**.

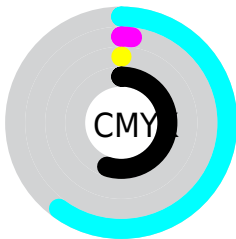
Distribution







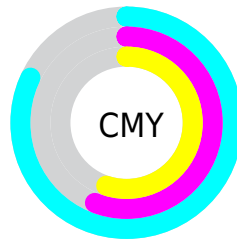
-  Red (18%)
-  Green (44%)
-  Blue (45%)






-  Red (18%)
-  Yellow (31%)
-  Blue (45%)



-  Cyan (60%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (82%)
-  Magenta (56%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6289, 0.2407, 0.3239 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 13.6289, 0.2407, 0.3239 by changing the saturation by 10% instead.


 13.6289, 0.2407,
0.3239


 13.6289, 0.2407,
0.3239


 214.9098, 0.2832,
0.3279


 7.8630, 0.2272,
0.3220


 32.4291, 0.2581,
0.3259

 4.0074, 0.2075,
0.3187

 46.2322, 0.2640,
0.3264


 1.6777, 0.1767,
0.3118

 63.4832, 0.2687,
0.3268

 0.4092, 0.0000,
0.2969

 84.5664, 0.2726,
0.3271

 0.0000, 0.0000,
0.0000

 109.8663, 0.2759,
0.3274

 139.7672, 0.2787,

0.3276

174.6536, 0.2811,
0.3277

■ 13.6289, 0.2407,
0.3239

■ 13.6289, 0.2407,
0.3239

■ 13.3221, 0.2337,
0.3230

■ 14.0087, 0.2494,
0.3248

■ 13.0808, 0.2284,
0.3220

■ 14.4650, 0.2597,
0.3257

■ 12.8987, 0.2249,
0.3211

■ 15.0032, 0.2714,
0.3266

■ 12.7500, 0.2223,
0.3202

■ 15.6276, 0.2843,
0.3275

■ 12.7496, 0.2223,
0.3202

■ 16.3422, 0.2982,
0.3283

■ 17.1509, 0.3128,
0.3290

■ 18.0571, 0.3277,
0.3297

■ 19.0643, 0.3429,
0.3303

■ 20.1758, 0.3581,
0.3309

Harmonies

Analogous

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



13.6289, 0.2706, 0.3689



13.6289, 0.2407, 0.3239



13.6289, 0.2294, 0.2848

Triad

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



13.6289, 0.2407, 0.3239



13.6289, 0.3070, 0.2677



13.6289, 0.3912, 0.3945

Complementary

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



13.6289, 0.2407, 0.3239



5.9616, 0.4826, 0.3336

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.



13.6289, 0.4037, 0.3631



13.6289, 0.2407, 0.3239



13.6289, 0.3533, 0.2928

Square

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



13.6289, 0.2407, 0.3239



13.6289, 0.2654, 0.2562



13.6289, 0.3898, 0.3267



13.6289, 0.3574, 0.4109

Rectangle

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



13.6289, 0.2407, 0.3239



13.6289, 0.2330, 0.2672



13.6289, 0.3898, 0.3267



13.6289, 0.3981, 0.3852

Sweetspot

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



13.6294, 0.2407, 0.3239



28.1585, 0.2864, 0.3276



13.0531, 0.3032, 0.5089



6.6492, 0.2832, 0.3274



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.



13.6294, 0.2407, 0.3239



23.6668, 0.2314, 0.3226



7.4661, 0.2216, 0.2347



4.1378, 0.2995, 0.3283



14.5661, 0.2223, 0.3201



70.7533, 0.2221, 0.3196

Inverse Universe

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



6.7948, 0.3228, 0.1988



10.3071, 0.3249, 0.1783



9.8290, 0.4342, 0.4042



3.7562, 0.3141, 0.3087



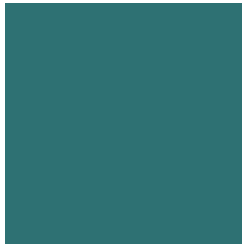
5.4944, 0.3281, 0.1581



26.7520, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 13.6289, 0.2407, 0.3239 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 13.6289, 0.2407, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

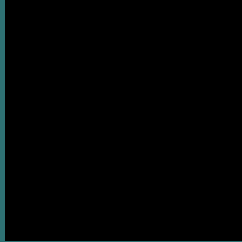
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6289, 0.2407, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 13.6289, 0.2407, 0.3239.



This preview shows how white text looks on a background with the Yxy color 13.6289, 0.2407, 0.3239.

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

13.6289, 0.2407, 0.3239

Protanopia

13.4690, 0.3062, 0.3160

Deuteranopia

13.4865, 0.2976, 0.2914



Tritanopia

13.6218, 0.2373, 0.3075

Trichromacy



Original Color

13.6289, 0.2407, 0.3239

Protanomaly

13.2496, 0.2756, 0.3174

Deuteranomaly

13.2723, 0.2712, 0.3020

Tritanomaly

13.5486, 0.2382, 0.3121

Monochromacy



Original Color

13.6289, 0.2407, 0.3239

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.5904, 0.2785, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6289, 0.2407, 0.3239 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, 113, 115)` looks like.

```
.text, #text, p{  
  color:rgb(46, 113, 115)  
}
```

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, 113, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 113, 115) }
```

Border

The CSS property to change the border of an element to Yxy 13.6289, 0.2407, 0.3239 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, 113, 115) }
```

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

```
.border{ border-color:rgb(46, 113, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 113, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 113, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 113, 115);  
box-shadow:4px 4px 4px 4px rgb(46, 113,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6289, 0.2407, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 113, 115) }
```

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

```
.background{ background-color: rgb(46, 113,  
115) }
```

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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