

Converting Colors

$Y_{xy}(13.6290, 0.2229, 0.2945)$

Have a look what the booklet for
Yxy(13.6290, 0.2229, 0.2945)
contains.

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Color

Yxy(13.6339, 0.2234, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	1F717F
RGB	31, 113, 127
RGB Percent	12%, 44%, 50%
CMY	0.8787, 0.5568, 0.5019
CMYK	0.76, 0.11, 0.00, 0.50
HSL	189°, 61%, 31%
HSV	189°, 76%, 50%
XYZ	10.3003, 13.6339, 22.1730
YIQ	90.0780, -53.3660, -13.0300

Conversions

Conversions Part 2

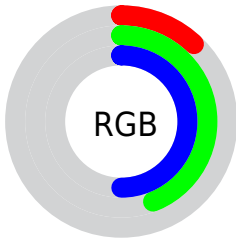
Format	Color
RYB	31, 75, 127
Decimal	2060671
CIELab	43.70, -18.96, -14.73
CIElCh	44, 24.008, 217.844
Yxy	13.6339, 0.2234, 0.2957
Android (android.graphics.Color)	4280250751 (0xFF1F717F)
YUV	90.0780, 18.2025, -51.8114
Hunter-Lab	36.9241, -14.8228, -9.7568

Details

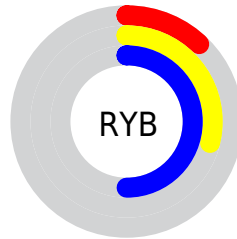
The Yxy color **13.6339, 0.2234, 0.2957** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.4851, 0.5388, 0.3516**, and the grayscale version is **10.2069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4297, 0.2442, 0.3045**, and **4.3307, 0.2111, 0.2800** is the 20% darker color. If you saturate the color by 10%, you get **13.0657, 0.2178, 0.2907**, and if you desaturate by 10%, it is **14.2892, 0.2308, 0.3007**.

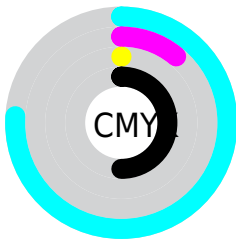
Distribution



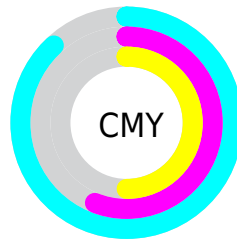
- Red (12%)
- Green (44%)
- Blue (50%)



- Red (12%)
- Yellow (29%)
- Blue (50%)



- Cyan (76%)
- Magenta (11%)
- Yellow (0%)
- Black (50%)





- Cyan (88%)
- Magenta (56%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6339, 0.2234, 0.2957 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 13.6339, 0.2234, 0.2957 by changing the saturation by 10% instead.


 13.6339, 0.2234,
0.2957


 13.6339, 0.2234,
0.2957

 214.9413, 0.2755,
0.3169

 7.8665, 0.2073,
0.2880


 32.4380, 0.2444,
0.3049


 4.0096, 0.1845,
0.2761

 46.2435, 0.2517,
0.3079

 1.6790, 0.1502,
0.2556

 63.4971, 0.2575,
0.3102

 0.4100, 0.0000,
0.2068

 84.5833, 0.2624,
0.3121

 0.0000, 0.0000,
0.0000

 109.8864, 0.2664,
0.3136

 139.7908, 0.2699,

0.3149

174.6810, 0.2729,
0.3160

■ 13.6339, 0.2234,
0.2957

■ 13.6339, 0.2234,
0.2957

■ 13.0657, 0.2178,
0.2907

■ 14.2892, 0.2308,
0.3007

■ 12.5698, 0.2137,
0.2858

■ 15.0384, 0.2400,
0.3056

■ 12.3620, 0.2121,
0.2836

■ 15.8893, 0.2507,
0.3103

■ 16.8481, 0.2627,
0.3149

■ 17.9210, 0.2759,
0.3192

■ 19.1132, 0.2899,
0.3233

■ 20.4298, 0.3044,
0.3270

■ 21.8757, 0.3192,
0.3305

■ 23.4552, 0.3341,
0.3335

Harmonies

Analogous

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



13.6339, 0.2445, 0.3440



13.6339, 0.2234, 0.2957



13.6339, 0.2240, 0.2624

Triad

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



13.6339, 0.2234, 0.2957



13.6339, 0.3366, 0.2762



13.6339, 0.3796, 0.4150

Complementary

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



13.6339, 0.2234, 0.2957



6.4851, 0.5388, 0.3516

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.



13.6339, 0.4088, 0.3877



13.6339, 0.2234, 0.2957



13.6339, 0.3840, 0.3099

Square

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



13.6339, 0.2234, 0.2957



13.6339, 0.2857, 0.2544



13.6339, 0.4111, 0.3495



13.6339, 0.3336, 0.4188

Rectangle

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



13.6339, 0.2234, 0.2957



13.6339, 0.2362, 0.2511



13.6339, 0.4111, 0.3495



13.6339, 0.3918, 0.4079

Sweetspot

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



13.6344, 0.2234, 0.2957



32.5119, 0.2787, 0.3201



15.6535, 0.2948, 0.5364



7.4639, 0.2745, 0.3188



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.6344, 0.2234, 0.2957



22.7162, 0.2147, 0.2870



5.7393, 0.1928, 0.1742



4.7834, 0.2993, 0.3258



12.4623, 0.2121, 0.2836



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.6825, 0.3475, 0.1900



10.4253, 0.3567, 0.1783



12.2297, 0.4572, 0.4365



4.4020, 0.3157, 0.3108



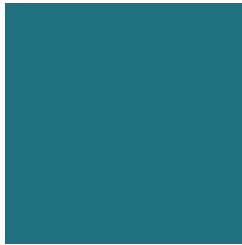
5.6526, 0.3602, 0.1758



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.6339, 0.2234, 0.2957 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 13.6339, 0.2234, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

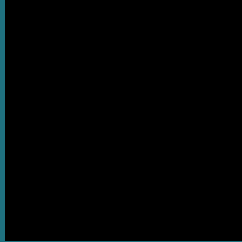
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6339, 0.2234, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 13.6339, 0.2234, 0.2957.

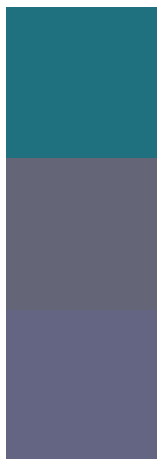


This preview shows how white text looks on a background with the Yxy color 13.6339, 0.2234, 0.2957.

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

13.6339, 0.2234, 0.2957

Protanopia

13.5681, 0.2872, 0.2909

Deuteranopia

13.5717, 0.2743, 0.2692



Tritanopia

13.7116, 0.2256, 0.3072

Trichromacy



Original Color

13.6339, 0.2234, 0.2957

Protanomaly

13.2340, 0.2554, 0.2906

Deuteranomaly

13.1440, 0.2484, 0.2758

Tritanomaly

13.7511, 0.2253, 0.3049

Monochromacy



Original Color

13.6339, 0.2234, 0.2957

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.9798, 0.2671, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6339, 0.2234, 0.2957 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(31, 113, 127)` looks like.

```
.text, #text, p{  
  color:rgb(31, 113, 127)  
}
```

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(31, 113, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 113, 127) }
```

Border

The CSS property to change the border of an element to Yxy 13.6339, 0.2234, 0.2957 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(31, 113, 127) }
```

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

```
.border{ border-color:rgb(31, 113, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 113, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 113, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 113, 127);  
box-shadow:4px 4px 4px 4px rgb(31, 113,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6339, 0.2234, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 113, 127) }
```

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

```
.background{ background-color: rgb(31, 113,  
127) }
```

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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