

Converting Colors

$Y_{xy}(13.2318, 0.2327, 0.2622)$

Have a look what the booklet for
Yxy(13.2318, 0.2327, 0.2622)
contains.

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Color

Yxy(13.1710, 0.2321, 0.2609)

Conversions

Conversions Part 1

Format	Color
Hex	3F6A89
RGB	63, 106, 137
RGB Percent	25%, 42%, 54%
CMY	0.7532, 0.5843, 0.4627
CMYK	0.54, 0.23, 0.00, 0.46
HSL	205°, 37%, 39%
HSV	205°, 54%, 54%
XYZ	11.7171, 13.1710, 25.5949
YIQ	96.6770, -35.5790, 0.5250

Conversions

Conversions Part 2

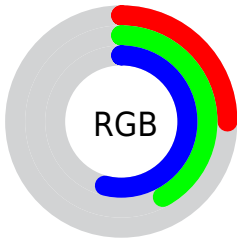
Format	Color
R_{YB}	63, 90, 137
Decimal	4156041
CIE _{Lab}	43.02, -5.55, -21.67
CIE _{LCh}	43, 22.373, 255.638
Yxy	13.1710, 0.2321, 0.2609
Android (android.graphics.Color)	4282346121 (0xFF3F6A89)
YUV	96.6770, 19.8792, -29.5347
Hunter-Lab	36.2919, -5.8808, -16.4100

Details

The Yxy color **13.1710, 0.2321, 0.2609** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **13.6732, 0.4295, 0.3861**, and the grayscale version is **11.8252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5447, 0.2518, 0.2782**, and **3.8160, 0.1969, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **11.6327, 0.2190, 0.2455**, and if you desaturate by 10%, it is **14.9016, 0.2463, 0.2756**.

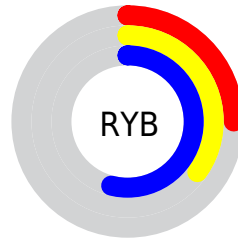
Distribution



 Red (25%)

 Green (42%)

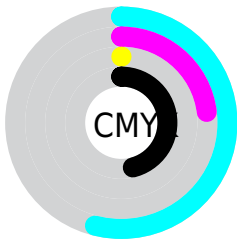
 Blue (54%)




 Red (25%)

 Yellow (35%)

 Blue (54%)

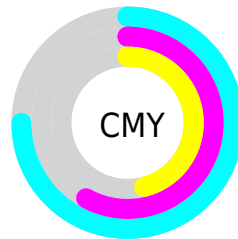


 Cyan (54%)


 Magenta (23%)

 Yellow (0%)

 Black (46%)



 Cyan (75%)

 Magenta (58%)

 Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1710, 0.2321, 0.2609 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 13.1710, 0.2321, 0.2609 by changing the saturation by 10% instead.

■ 13.1710, 0.2321,
0.2609

■ 13.1710, 0.2321,
0.2609

■ 212.0107, 0.2794,
0.3017

■ 7.5464, 0.2174,
0.2477

■ 31.6107, 0.2513,
0.2778

■ 3.8061, 0.1964,
0.2285

■ 45.1945, 0.2579,
0.2834

■ 1.5657, 0.1648,
0.1986

■ 62.2002, 0.2632,
0.2880

■ 0.3343, 0.0671,
0.1231

■ 83.0122, 0.2676,
0.2917

■ 0.0000, 0.0000,
0.0000

■ 108.0148, 0.2713,
0.2949

137.5925, 0.2744,

0.2975

172.1297, 0.2771,
0.2998

■ 13.1710, 0.2321,
0.2609

■ 13.1710, 0.2321,
0.2609

■ 11.6327, 0.2190,
0.2455

■ 14.9016, 0.2463,
0.2756

■ 10.2752, 0.2075,
0.2298

■ 16.8321, 0.2612,
0.2895

■ 9.0877, 0.1978,
0.2140

■ 18.9714, 0.2764,
0.3024

■ 8.0564, 0.1901,
0.1985

■ 21.3274, 0.2917,
0.3142

■ 7.4945, 0.1859,
0.1893

■ 23.9074, 0.3067,
0.3250

■ 26.7184, 0.3213,
0.3346

■ 29.7670, 0.3353,
0.3432

■ 33.0596, 0.3487,
0.3508

■ 36.6022, 0.3613,
0.3575

Harmonies

Analogous

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



13.1710, 0.2262, 0.2879



13.1710, 0.2321, 0.2609



13.1710, 0.2577, 0.2527

Triad

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



13.1710, 0.2321, 0.2609



13.1710, 0.3888, 0.3206



13.1710, 0.3203, 0.4095

Complementary

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



13.1710, 0.2321, 0.2609



13.6732, 0.4295, 0.3861

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.



13.1710, 0.3658, 0.4136



13.1710, 0.2321, 0.2609



13.1710, 0.4077, 0.3586

Square

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



13.1710, 0.2321, 0.2609



13.1710, 0.3479, 0.2864



13.1710, 0.3985, 0.3930



13.1710, 0.2748, 0.3777

Rectangle

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



13.1710, 0.2321, 0.2609



13.1710, 0.2841, 0.2573



13.1710, 0.3985, 0.3930



13.1710, 0.3361, 0.4141

Sweetspot

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



13.1715, 0.2321, 0.2609



37.1842, 0.2882, 0.3116



19.7536, 0.2801, 0.4254



8.1721, 0.2855, 0.3096



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.1715, 0.2321, 0.2609



20.2225, 0.2161, 0.2418



7.1322, 0.2152, 0.1765



5.3435, 0.2991, 0.3196



7.0041, 0.1861, 0.1898



0.0755, 0.2048, 0.2574

Inverse Universe

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



9.9090, 0.3731, 0.2516



14.6314, 0.3941, 0.2378



21.8664, 0.3935, 0.4456



5.0941, 0.3196, 0.3164



5.4913, 0.4570, 0.2291



0.0394, 0.3850, 0.1894

Previews

White Background



This preview shows how the Yxy color 13.1710, 0.2321, 0.2609 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 13.1710, 0.2321, 0.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

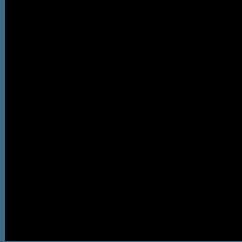
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

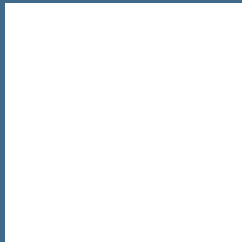
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1710, 0.2321, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 13.1710, 0.2321, 0.2609.

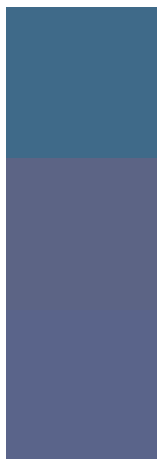


This preview shows how white text looks on a background with the Yxy color 13.1710, 0.2321, 0.2609.

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

13.1710, 0.2321, 0.2609

Protanopia

13.0831, 0.2625, 0.2601

Deuteranopia

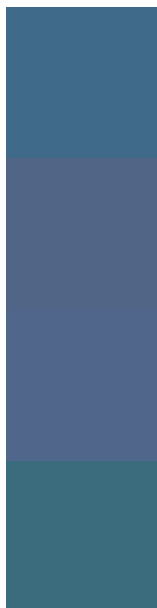
13.1230, 0.2552, 0.2506



Tritanopia

13.0860, 0.2436, 0.3074

Trichromacy



Original Color

13.1710, 0.2321, 0.2609

Protanomaly

12.9733, 0.2498, 0.2604

Deuteranomaly

13.0432, 0.2452, 0.2528

Tritanomaly

13.1356, 0.2395, 0.2895

Monochromacy



Original Color

13.1710, 0.2321, 0.2609

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2155, 0.2770, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1710, 0.2321, 0.2609 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(63, 106, 137)` looks like.

```
.text, #text, p{  
    color:rgb(63, 106, 137)  
}
```

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(63, 106, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 106, 137) }
```

Border

The CSS property to change the border of an element to Yxy 13.1710, 0.2321, 0.2609 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(63, 106, 137) }
```

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

```
.border{ border-color:rgb(63, 106, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 106, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 106, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 106, 137);  
box-shadow:4px 4px 4px 4px rgb(63, 106,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1710, 0.2321, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 106, 137) }
```

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

```
.background{ background-color: rgb(63, 106,  
137) }
```

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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