

Converting Colors

$Y_{xy}(13.2408, 0.2007, 0.1663)$

Have a look what the booklet for
Yxy(13.2408, 0.2007, 0.1663)
contains.

Yxy(13.2417, 0.2007, 0.1662)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2417, 0.2007, 0.1662)

Conversions

Conversions Part 1

Format	Color
Hex	475FBE
RGB	71, 95, 190
RGB Percent	28%, 37%, 75%
CMY	0.7213, 0.6275, 0.2548
CMYK	0.63, 0.50, 0.00, 0.25
HSL	228°, 48%, 51%
HSV	228°, 63%, 75%
XYZ	15.9904, 13.2417, 50.4412
YIQ	98.6540, -44.7990, 24.4570

Conversions

Conversions Part 2

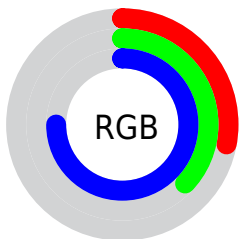
Format	Color
R_{YB}	71, 91, 190
Decimal	4677566
CIE _{Lab}	43.13, 21.17, -52.81
CIE _{LCh}	43, 56.899, 291.845
Yxy	13.2417, 0.2007, 0.1662
Android (android.graphics.Color)	4282867646 (0xFF475FBE)
YUV	98.6540, 45.0336, -24.2526
Hunter-Lab	36.3891, 14.7570, -56.7130

Details

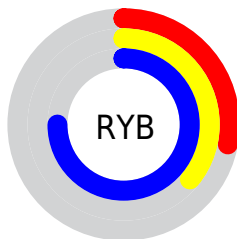
The Yxy color **13.2417, 0.2007, 0.1662** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **38.7188, 0.4176, 0.4486**, and the grayscale version is **12.2828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7120, 0.2257, 0.1981**, and **4.0588, 0.1671, 0.1214** is the 20% darker color. If you saturate the color by 10%, you get **10.1586, 0.1841, 0.1378**, and if you desaturate by 10%, it is **17.0834, 0.2192, 0.1959**.

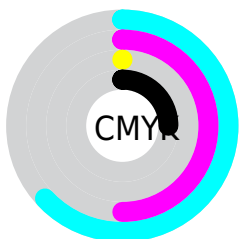
Distribution



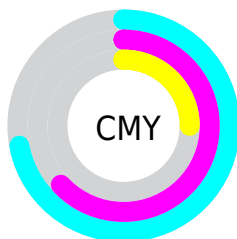
- Red (28%)
- Green (37%)
- Blue (75%)



- Red (28%)
- Yellow (36%)
- Blue (75%)



- Cyan (63%)
- Magenta (50%)
- Yellow (0%)
- Black (25%)



- Cyan (72%)
- Magenta (63%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2417, 0.2007, 0.1662 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 13.2417, 0.2007, 0.1662 by changing the saturation by 10% instead.

■ 13.2417, 0.2007,
0.1662

■ 13.2417, 0.2007,
0.1662

■ 212.4609, 0.2649,
0.2529

■ 7.5952, 0.1827,
0.1444

■ 31.7373, 0.2257,
0.1982

■ 3.8370, 0.1590,
0.1173

■ 45.3552, 0.2346,
0.2102

■ 1.5828, 0.1273,
0.0839

■ 62.3991, 0.2420,
0.2202

■ 0.3460, 0.0864,
0.0354

■ 83.2532, 0.2481,
0.2287

■ 0.0000, 0.0000,
0.0000

■ 108.3021, 0.2533,
0.2361

137.9301, 0.2577,

0.2424

172.5216, 0.2615,
0.2480

■ 13.2417, 0.2007,
0.1662

■ 13.2417, 0.2007,
0.1662

■ 10.1586, 0.1841,
0.1378

■ 17.0834, 0.2192,
0.1959

■ 7.7799, 0.1705,
0.1125

■ 21.7299, 0.2384,
0.2253

■ 6.0457, 0.1606,
0.0916

■ 27.2251, 0.2576,
0.2535

■ 5.1176, 0.1555,
0.0796

■ 33.6094, 0.2759,
0.2795

■ 40.9204, 0.2931,
0.3030

■ 49.1936, 0.3089,
0.3240

■ 58.4625, 0.3231,
0.3424

■ 68.7591, 0.3359,
0.3585

■ 80.1139, 0.3473,
0.3725

Harmonies

Analogous

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



13.2417, 0.1453, 0.1684



13.2417, 0.2007, 0.1662



13.2417, 0.2974, 0.1926

Triad

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



13.2417, 0.2007, 0.1662



13.2417, 0.5401, 0.3857



13.2417, 0.1954, 0.4349

Complementary

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



13.2417, 0.2007, 0.1662



38.7188, 0.4176, 0.4486

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.



13.2417, 0.2896, 0.5438



13.2417, 0.2007, 0.1662



13.2417, 0.4874, 0.4670

Square

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



13.2417, 0.2007, 0.1662



13.2417, 0.5203, 0.3112



13.2417, 0.3951, 0.5392



13.2417, 0.1396, 0.2949

Rectangle

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



13.2417, 0.2007, 0.1662



13.2417, 0.3800, 0.2245



13.2417, 0.3951, 0.5392



13.2417, 0.2236, 0.4811

Sweetspot

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



13.2421, 0.2007, 0.1662



65.0599, 0.2817, 0.2875



40.8685, 0.2516, 0.3706



13.4782, 0.2766, 0.2804



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.2421, 0.2007, 0.1662



16.7041, 0.1788, 0.1282



11.2237, 0.2209, 0.1429



9.5277, 0.2984, 0.3101



3.4933, 0.1560, 0.0814



0.2304, 0.1682, 0.1255

Inverse Universe

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



16.2914, 0.4693, 0.2991



24.1688, 0.5249, 0.2988



44.3925, 0.3683, 0.4905



9.5669, 0.3258, 0.3244



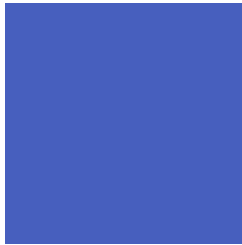
7.3823, 0.6047, 0.3105



0.2986, 0.5390, 0.2743

Previews

White Background



This preview shows how the Yxy color 13.2417, 0.2007, 0.1662 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 13.2417, 0.2007, 0.1662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

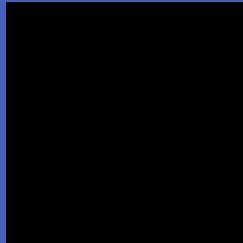
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.2417, 0.2007, 0.1662

Background



This preview shows how black text looks on a background with the Yxy color 13.2417, 0.2007, 0.1662.



This preview shows how white text looks on a background with the Yxy color 13.2417, 0.2007, 0.1662.

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

13.2417, 0.2007, 0.1662

Protanopia

13.2140, 0.1887, 0.1639

Deuteranopia

13.0779, 0.1835, 0.1805



Tritanopia

13.3089, 0.2285, 0.3070

Trichromacy



Original Color

13.2417, 0.2007, 0.1662

Protanomaly

13.1959, 0.1922, 0.1645

Deuteranomaly

12.8367, 0.1851, 0.1729

Tritanomaly

12.9877, 0.2148, 0.2423

Monochromacy



Original Color

13.2417, 0.2007, 0.1662

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5252, 0.2595, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2417, 0.2007, 0.1662 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(71, 95, 190)` looks like.

```
.text, #text, p{  
    color:rgb(71, 95, 190)  
}
```

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(71, 95, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 95, 190) }
```

Border

The CSS property to change the border of an element to Yxy 13.2417, 0.2007, 0.1662 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(71, 95, 190) }
```

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

```
.border{ border-color:rgb(71, 95, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 95, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 95, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 95, 190);  
box-shadow:4px 4px 4px 4px rgb(71, 95,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2417, 0.2007, 0.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 95, 190) }
```

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

```
.background{ background-color: rgb(71, 95,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor