

Converting Colors

$Y_{xy}(13.6034, 0.2686, 0.2195)$

Have a look what the booklet for
Yxy(13.6034, 0.2686, 0.2195)
contains.

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Color

Yxy(13.5990, 0.2679, 0.2189)

Conversions

Conversions Part 1

Format	Color
Hex	735C99
RGB	115, 92, 153
RGB Percent	45%, 36%, 60%
CMY	0.5492, 0.6391, 0.4000
CMYK	0.25, 0.40, 0.00, 0.40
HSL	263°, 25%, 48%
HSV	263°, 40%, 60%
XYZ	16.6431, 13.5990, 31.8822
YIQ	105.8310, -5.8730, 23.8470

Conversions

Conversions Part 2

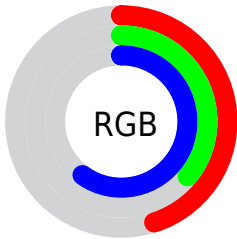
Format	Color
R_{YB}	115, 92, 153
Decimal	7560345
CIE _{Lab}	43.65, 22.61, -29.96
CIE _{LCh}	44, 37.531, 307.036
Yxy	13.5990, 0.2679, 0.2189
Android (android.graphics.Color)	4285750425 (0xFF735C99)
YUV	105.8310, 23.2543, 8.0412
Hunter-Lab	36.8768, 16.0254, -25.4459

Details

The Yxy color **13.5990, 0.2679, 0.2189** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3034, 0.3454, 0.4338**, and the grayscale version is **14.3005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5238, 0.2791, 0.2430**, and **4.0371, 0.2453, 0.1782** is the 20% darker color. If you saturate the color by 10%, you get **10.5971, 0.2533, 0.1883**, and if you desaturate by 10%, it is **17.2043, 0.2813, 0.2491**.

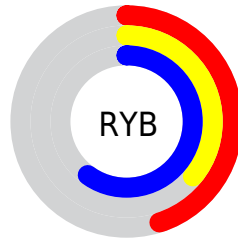
Distribution



Red (45%)

Green (36%)

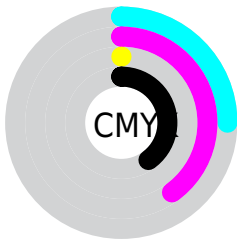
Blue (60%)



Red (45%)

Yellow (36%)

Blue (60%)

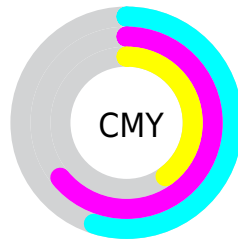


Cyan (25%)

Magenta (40%)

Yellow (0%)

Black (40%)



Cyan (55%)


Magenta (64%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5990, 0.2679, 0.2189 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 13.5990, 0.2679, 0.2189 by changing the saturation by 10% instead.


 13.5990, 0.2679,
0.2189


 13.5990, 0.2679,
0.2189


214.7217, 0.2954,
0.2803


 7.8423, 0.2588,
0.2015


 32.3758, 0.2794,
0.2428


 3.9942, 0.2455,
0.1780


 46.1647, 0.2832,
0.2513

 1.6703, 0.2248,
0.1451

 63.3998, 0.2863,
0.2583

 0.4043, 0.1923,
0.0828

 84.4654, 0.2888,
0.2641

 0.0000, 0.0000,
0.0000

109.7460, 0.2909,
0.2691

139.6260, 0.2926,

0.2733

174.4898, 0.2941,
0.2770

■ 13.5990, 0.2679,
0.2189

■ 13.5990, 0.2679,
0.2189

■ 10.5971, 0.2533,
0.1883

■ 17.2043, 0.2813,
0.2491

■ 8.1624, 0.2380,
0.1586

■ 21.4431, 0.2933,
0.2779

■ 6.2576, 0.2225,
0.1313

■ 26.3452, 0.3038,
0.3048

■ 4.8396, 0.2076,
0.1083

■ 31.9381, 0.3128,
0.3293

■ 3.8586, 0.1941,
0.0907

■ 38.2478, 0.3206,
0.3515

■ 3.1955, 0.1823,
0.0779

■ 45.2990, 0.3272,
0.3713

■ 3.1866, 0.1821,
0.0777

■ 53.1149, 0.3327,
0.3890

■ 61.7179, 0.3374,
0.4047

■ 71.1295, 0.3413,
0.4185

Harmonies

Analogous

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



13.5990, 0.2108, 0.2103



13.5990, 0.2679, 0.2189



13.5990, 0.3459, 0.2493

Triad

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



13.5990, 0.2679, 0.2189



13.5990, 0.4598, 0.4097



13.5990, 0.2096, 0.3526

Complementary

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



13.5990, 0.2679, 0.2189



28.3034, 0.3454, 0.4338

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.



13.5990, 0.2676, 0.4342



13.5990, 0.2679, 0.2189



13.5990, 0.4125, 0.4581

Square

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



13.5990, 0.2679, 0.2189



13.5990, 0.4658, 0.3521



13.5990, 0.3420, 0.4742



13.5990, 0.1805, 0.2754

Rectangle

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



13.5990, 0.2679, 0.2189



13.5990, 0.3992, 0.2792



13.5990, 0.3420, 0.4742



13.5990, 0.2261, 0.3816

Sweetspot

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



13.5995, 0.2679, 0.2189



44.9833, 0.3014, 0.2986



20.7111, 0.2528, 0.2872



9.7021, 0.3002, 0.2955



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.5995, 0.2679, 0.2189



19.4244, 0.2547, 0.1910



15.9646, 0.3064, 0.2304



6.1339, 0.3044, 0.3064



2.6517, 0.1829, 0.0781



0.0594, 0.2311, 0.1047

Inverse Universe

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



16.0422, 0.3490, 0.2666



24.5577, 0.3607, 0.2529



26.2715, 0.3147, 0.4446



6.2842, 0.3191, 0.3152



6.2930, 0.4411, 0.2204



0.1011, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 13.5990, 0.2679, 0.2189 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 13.5990, 0.2679, 0.2189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

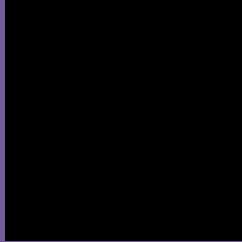
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5990, 0.2679, 0.2189

Background



This preview shows how black text looks on a background with the Yxy color 13.5990, 0.2679, 0.2189.

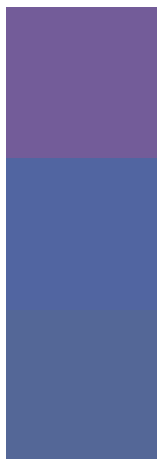


This preview shows how white text looks on a background with the Yxy color 13.5990, 0.2679, 0.2189.

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

13.5990, 0.2679, 0.2189

Protanopia

13.6299, 0.2273, 0.2140

Deuteranopia

13.8197, 0.2384, 0.2338



Tritanopia

13.5373, 0.3106, 0.3120

Trichromacy



Original Color

13.5990, 0.2679, 0.2189

Protanomaly

13.5311, 0.2399, 0.2156

Deuteranomaly

13.6236, 0.2474, 0.2270

Tritanomaly

13.5310, 0.2942, 0.2746

Monochromacy



Original Color

13.5990, 0.2679, 0.2189

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.9886, 0.2955, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5990, 0.2679, 0.2189 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(115, 92, 153)` looks like.

```
.text, #text, p{  
    color:rgb(115, 92, 153)  
}
```

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(115, 92, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 92, 153) }
```

Border

The CSS property to change the border of an element to Yxy 13.5990, 0.2679, 0.2189 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(115, 92, 153) }
```

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

```
.border{ border-color:rgb(115, 92, 153) }
```

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

Here you see how a box with a 4 pixel rgb(115, 92, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 92, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 92, 153);  
box-shadow:4px 4px 4px 4px rgb(115, 92,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5990, 0.2679, 0.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 92, 153) }
```

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

```
.background{ background-color: rgb(115, 92,  
153) }
```

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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