

Converting Colors

$Y_{xy}(13.9980, 0.2578, 0.2029)$

Have a look what the booklet for
Yxy(13.9980, 0.2578, 0.2029)
contains.

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Color

Yxy(13.9118, 0.2570, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	745BA5
RGB	116, 91, 165
RGB Percent	45%, 36%, 65%
CMY	0.5452, 0.6431, 0.3528
CMYK	0.30, 0.45, 0.00, 0.35
HSL	260°, 29%, 50%
HSV	260°, 45%, 65%
XYZ	17.7348, 13.9118, 37.3604
YIQ	106.9110, -8.8540, 28.3140

Conversions

Conversions Part 2

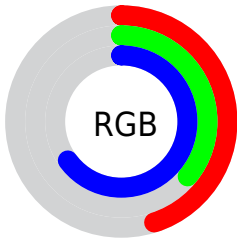
Format	Color
R _Y B	116, 91, 165
Decimal	7625637
CIE Lab	44.11, 26.64, -36.39
CIE LCh	44, 45.093, 306.206
Yxy	13.9118, 0.2570, 0.2016
Android (android.graphics.Color)	4285815717 (0xFF745BA5)
YUV	106.9110, 28.6379, 7.9711
Hunter-Lab	37.2985, 19.6012, -33.2793

Details

The Yxy color **13.9118, 0.2570, 0.2016** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.2554, 0.3519, 0.4472**, and the grayscale version is **14.5980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0594, 0.2715, 0.2292**, and **4.1174, 0.2307, 0.1567** is the 20% darker color. If you saturate the color by 10%, you get **10.6886, 0.2411, 0.1705**, and if you desaturate by 10%, it is **17.8447, 0.2720, 0.2328**.

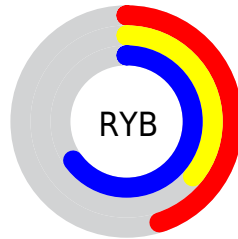
Distribution



Red (45%)

Green (36%)

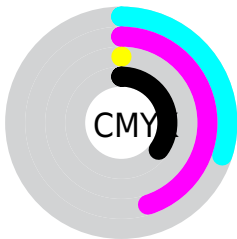
Blue (65%)



Red (45%)

Yellow (36%)

Blue (65%)

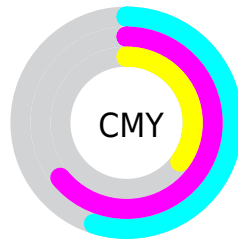


Cyan (30%)

Magenta (45%)

Yellow (0%)

Black (35%)



Cyan (55%)


Magenta (64%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9118, 0.2570, 0.2016 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 13.9118, 0.2570, 0.2016 by changing the saturation by 10% instead.


 13.9118, 0.2570,
0.2016


 13.9118, 0.2570,
0.2016


216.6814, 0.2908,
0.2711


 8.0593, 0.2462,
0.1827


 32.9324, 0.2710,
0.2281


 4.1329, 0.2307,
0.1579


 46.8694, 0.2757,
0.2377


 1.7482, 0.2074,
0.1246

 64.2701, 0.2795,
0.2457

 0.4546, 0.1717,
0.0706

 85.5187, 0.2826,
0.2524

 0.0000, 0.0140,
0.0000

 110.9998, 0.2852,
0.2581

 0.0000, 0.0000,
0.0000

141.0976, 0.2874,

0.2630

176.1967, 0.2892,
0.2673

■ 13.9118, 0.2570,
0.2016

■ 13.9118, 0.2570,
0.2016

■ 10.6886, 0.2411,
0.1705

■ 17.8447, 0.2720,
0.2328

■ 8.1292, 0.2247,
0.1412

■ 22.5261, 0.2856,
0.2630

■ 6.1851, 0.2088,
0.1154

■ 27.9935, 0.2976,
0.2913

■ 4.7996, 0.1941,
0.0948

■ 34.2817, 0.3081,
0.3173

■ 3.9038, 0.1816,
0.0803

■ 41.4232, 0.3172,
0.3408

■ 3.5491, 0.1758,
0.0742

■ 49.4489, 0.3249,
0.3618

■ 58.3880, 0.3315,
0.3805

■ 68.2683, 0.3370,
0.3970

■ 79.1165, 0.3416,
0.4116

Harmonies

Analogous

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



13.9118, 0.1931, 0.1921



13.9118, 0.2570, 0.2016



13.9118, 0.3484, 0.2353

Triad

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



13.9118, 0.2570, 0.2016



13.9118, 0.4850, 0.4162



13.9118, 0.1928, 0.3588

Complementary

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



13.9118, 0.2570, 0.2016



33.2554, 0.3519, 0.4472

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.



13.9118, 0.2597, 0.4598



13.9118, 0.2570, 0.2016



13.9118, 0.4282, 0.4769

Square

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



13.9118, 0.2570, 0.2016



13.9118, 0.4936, 0.3501



13.9118, 0.3460, 0.5041



13.9118, 0.1603, 0.2655

Rectangle

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



13.9118, 0.2570, 0.2016



13.9118, 0.4128, 0.2687



13.9118, 0.3460, 0.5041



13.9118, 0.2117, 0.3947

Sweetspot

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



13.9123, 0.2570, 0.2016



51.8346, 0.2994, 0.2957



23.8015, 0.2461, 0.2852



10.8429, 0.2971, 0.2899



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.9123, 0.2570, 0.2016



19.0661, 0.2408, 0.1701



16.9429, 0.3020, 0.2167



6.9707, 0.3037, 0.3061



2.7091, 0.1768, 0.0748



0.0820, 0.2189, 0.0980

Inverse Universe

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



17.3803, 0.3514, 0.2545



26.2635, 0.3638, 0.2391



30.5792, 0.3167, 0.4615



7.1614, 0.3186, 0.3142



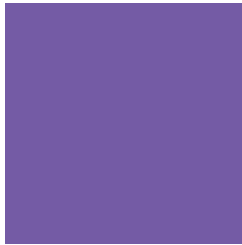
6.9018, 0.4265, 0.2123



0.1533, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 13.9118, 0.2570, 0.2016 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 13.9118, 0.2570, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

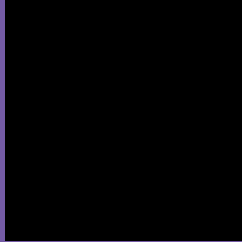
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9118, 0.2570, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 13.9118, 0.2570, 0.2016.



This preview shows how white text looks on a background with the Yxy color 13.9118, 0.2570, 0.2016.

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

13.9118, 0.2570, 0.2016

Protanopia

14.0537, 0.2132, 0.1957

Deuteranopia

13.9651, 0.2220, 0.2169



Tritanopia

13.9124, 0.3065, 0.3121

Trichromacy



Original Color

13.9118, 0.2570, 0.2016

Protanomaly

13.7995, 0.2263, 0.1972

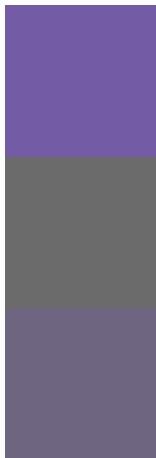
Deuteranomaly

13.6919, 0.2324, 0.2094

Tritanomaly

13.8774, 0.2870, 0.2657

Monochromacy



Original Color

13.9118, 0.2570, 0.2016

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.1809, 0.2907, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9118, 0.2570, 0.2016 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(116, 91, 165)` looks like.

```
.text, #text, p{  
    color:rgb(116, 91, 165)  
}
```

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(116, 91, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 91, 165) }
```

Border

The CSS property to change the border of an element to Yxy 13.9118, 0.2570, 0.2016 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(116, 91, 165) }
```

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

```
.border{ border-color:rgb(116, 91, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 91, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 91, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 91, 165); box-shadow:4px 4px 4px 4px rgb(116, 91, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9118, 0.2570, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 91, 165) }
```

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

```
.background{ background-color: rgb(116, 91,  
165) }
```

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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