

Converting Colors

$Y_{xy}(1.6678, 0.2749, 0.1288)$

Have a look what the booklet for
Yxy(1.6678, 0.2749, 0.1288)
contains.

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Color

Yxy(1.6692, 0.2750, 0.1288)

Conversions

Conversions Part 1

Format	Color
Hex	400050
RGB	64, 0, 80
RGB Percent	25%, 0%, 31%
CMY	0.7489, 1.0000, 0.6862
CMYK	0.20, 1.00, 0.00, 0.69
HSL	288°, 100%, 16%
HSV	288°, 100%, 31%
XYZ	3.5639, 1.6692, 7.7265
YIQ	28.2560, 12.4640, 38.4480

Conversions

Conversions Part 2

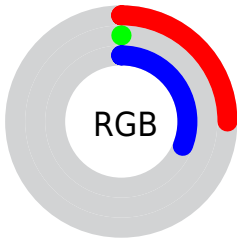
Format	Color
R_{YB}	64, 0, 80
Decimal	4194384
CIE Lab	13.65, 39.57, -31.69
CIE LCh	14, 50.694, 321.311
Yxy	1.6692, 0.2750, 0.1288
Android (android.graphics.Color)	4282384464 (0xFF400050)
YUV	28.2560, 25.5098, 31.3475
Hunter-Lab	12.9198, 26.6294, -26.4140

Details

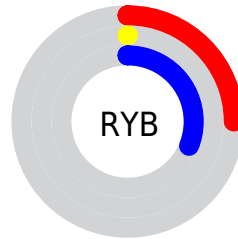
The Yxy color **1.6692, 0.2750, 0.1288** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **5.8495, 0.3115, 0.5909**, and the grayscale version is **1.1618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **7.8027, 0.2935, 0.1851**, and **0.1542, 0.1782, 0.0755** is the 20% darker color. If you saturate the color by 10%, you get **1.6702, 0.2750, 0.1289**, and if you desaturate by 10%, it is **1.8983, 0.2800, 0.1415**.

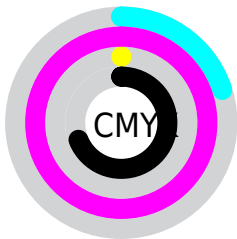
Distribution



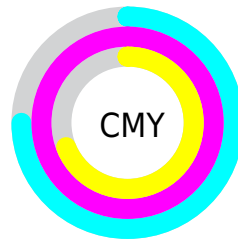
- Red (25%)
- Green (0%)
- Blue (31%)



- Red (25%)
- Yellow (0%)
- Blue (31%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (69%)





- Cyan (75%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 1.6692, 0.2750, 0.1288 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 1.6692, 0.2750, 0.1288 by changing the saturation by 10% instead.


 1.6692, 0.2750,
0.1288

 1.6692, 0.2750,
0.1288

 109.7278, 0.3075,
0.2592

 0.4036, 0.2560,
0.0708

 7.8392, 0.2938,
0.1858

 0.0000, 0.1622,
0.0000

 13.5945, 0.2982,
0.2042

 0.0000, 0.0000,
0.0000

 21.6425, 0.3011,
0.2185


 32.3677, 0.3032,
0.2300


 46.1544, 0.3047,
0.2393


 63.3871, 0.3059,


0.2471


 84.4501, 0.3068,
0.2536


 1.6692, 0.2750,
0.1288


 1.6692, 0.2750,
0.1288


 1.6702, 0.2750,
0.1289

 1.8983, 0.2800,
0.1415

 2.1512, 0.2849,
0.1546

 2.4915, 0.2896,
0.1711

 2.9305, 0.2941,
0.1906

 3.4759, 0.2983,
0.2124

■ 4.1348, 0.3021,
0.2356

■ 4.9134, 0.3054,
0.2595

■ 5.8176, 0.3083,
0.2834

■ 6.8531, 0.3107,
0.3067

Harmonies

Analogous

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



1.6692, 0.1399, 0.0982



1.6692, 0.2750, 0.1288



1.6692, 0.4913, 0.1916

Triad

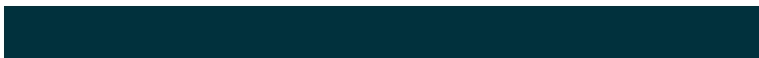
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1.6692, 0.2750, 0.1288



1.6692, 0.5309, 0.4691



1.6692, 0.0433, 0.2557

Complementary

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



1.6692, 0.2750, 0.1288



5.8495, 0.3115, 0.5909

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.



1.6692, 0.0709, 0.5567



1.6692, 0.2750, 0.1288



1.6692, 0.3733, 0.6267

Square

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



1.6692, 0.2750, 0.1288



1.6692, 0.6488, 0.3512



1.6692, 0.2197, 0.7803



1.6692, 0.0531, 0.1337

Rectangle

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



1.6692, 0.2750, 0.1288



1.6692, 0.6188, 0.2429



1.6692, 0.2197, 0.7803



1.6692, 0.0446, 0.3345

Sweetspot

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



1.6702, 0.2750, 0.1289



8.4125, 0.3051, 0.2569



0.9501, 0.1590, 0.0925



2.0922, 0.3043, 0.2511



46.2361, 0.3127, 0.3290



3.6306, 0.3127, 0.3290

Same Dimension

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



1.6702, 0.2750, 0.1289



2.8797, 0.2733, 0.1279



1.9917, 0.4052, 0.2006



1.9153, 0.3110, 0.3096



16.2278, 0.2701, 0.1261

Inverse Universe

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



1.7435, 0.5874, 0.3009



3.0298, 0.5958, 0.3056



5.8054, 0.2845, 0.5443



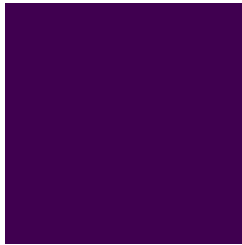
1.9101, 0.3237, 0.3251



17.3644, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 1.6692, 0.2750, 0.1288 looks on a white background.

Color Contrast Check

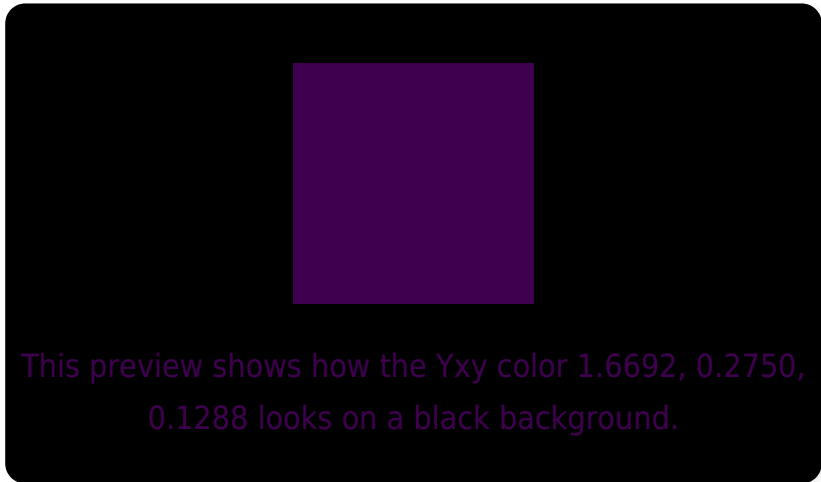
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 1.6692, 0.2750, 0.1288

Background



This preview shows how black text looks on a background with the Yxy color 1.6692, 0.2750, 0.1288.



This preview shows how white text looks on a background with the Yxy color 1.6692, 0.2750, 0.1288.

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

1.6692, 0.2750, 0.1288

Protanopia

1.9654, 0.1790, 0.1643

Deuteranopia

1.9598, 0.1883, 0.1980



Tritanopia

1.9653, 0.3981, 0.3173

Trichromacy



Original Color

1.6692, 0.2750, 0.1288

Protanomaly

1.4146, 0.1884, 0.1253

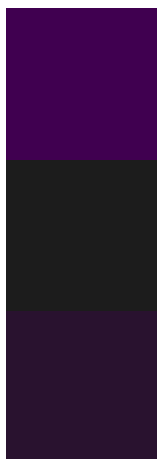
Deuteranomaly

1.3718, 0.1947, 0.1379

Tritanomaly

1.7000, 0.3508, 0.2200

Monochromacy



Original Color

1.6692, 0.2750, 0.1288

Achromatopsia

1.1612, 0.3127, 0.3290

Achromatomaly

1.1093, 0.2951, 0.1992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 1.6692, 0.2750, 0.1288 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(64, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 80)  
}
```

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(64, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 80) }
```

Border

The CSS property to change the border of an element to Yxy 1.6692, 0.2750, 0.1288 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(64, 0, 80) }
```

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

```
.border{ border-color:rgb(64, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 0, 80); box-shadow:4px  
4px 4px 4px rgb(64, 0, 80) }
```

Background

The CSS property to change the background color of an element to Yxy 1.6692, 0.2750, 0.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 80) }
```

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

```
.background{ background-color: rgb(64, 0,  
80) }
```

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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