

Converting Colors

$Y_{xy}(11.1035, 0.2523, 0.1634)$

Have a look what the booklet for
Yxy(11.1035, 0.2523, 0.1634)
contains.

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Color

Yxy(11.0676, 0.2524, 0.1628)

Conversions

Conversions Part 1

Format	Color
Hex	7844AB
RGB	120, 68, 171
RGB Percent	47%, 27%, 67%
CMY	0.5296, 0.7332, 0.3294
CMYK	0.30, 0.60, 0.00, 0.33
HSL	270°, 43%, 47%
HSV	270°, 60%, 67%
XYZ	17.1589, 11.0676, 39.7563
YIQ	95.2900, -2.0710, 43.0570

Conversions

Conversions Part 2

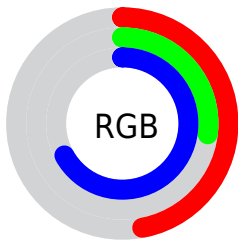
Format	Color
R_{YB}	120, 68, 171
Decimal	7881899
CIE _{Lab}	39.69, 42.53, -46.92
CIE _{LCh}	40, 63.328, 312.186
Yxy	11.0676, 0.2524, 0.1628
Android (android.graphics.Color)	4286071979 (0xFF7844AB)
YUV	95.2900, 37.3250, 21.6707
Hunter-Lab	33.2680, 33.8471, -47.5659

Details

The Yxy color **11.0676, 0.2524, 0.1628** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **33.4670, 0.3445, 0.4966**, and the grayscale version is **11.4270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.8537, 0.2685, 0.1961**, and **2.8989, 0.2203, 0.1114** is the 20% darker color. If you saturate the color by 10%, you get **8.7127, 0.2394, 0.1377**, and if you desaturate by 10%, it is **14.0802, 0.2650, 0.1906**.

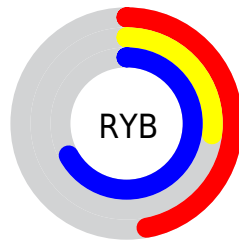
Distribution



Red (47%)

Green (27%)

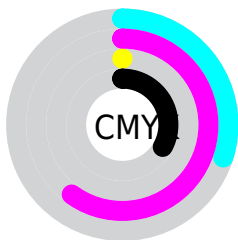
Blue (67%)



Red (47%)

Yellow (27%)

Blue (67%)

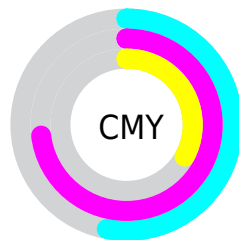


Cyan (30%)

Magenta (60%)

Yellow (0%)

Black (33%)



Cyan (53%)


Magenta (73%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0676, 0.2524, 0.1628 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 11.0676, 0.2524, 0.1628 by changing the saturation by 10% instead.


 11.0676, 0.2524,
0.1628


 11.0676, 0.2524,
0.1628


198.1307, 0.2909,
0.2514


 6.1123, 0.2396,
0.1402


 27.7851, 0.2687,
0.1957


 2.9135, 0.2211,
0.1119

 40.3161, 0.2741,
0.2080


 1.0867, 0.1934,
0.0768

 56.1412, 0.2784,
0.2182

 0.0000, 0.1558,
0.0000

 75.6446, 0.2819,
0.2269

 0.0000, 0.0000,
0.0000

 99.2109, 0.2847,
0.2343

127.2245, 0.2871,

0.2408

160.0696, 0.2892,
0.2465

■ 11.0676, 0.2524,
0.1628

■ 11.0676, 0.2524,
0.1628

■ 8.7127, 0.2394,
0.1377

■ 14.0802, 0.2650,
0.1906

■ 6.9587, 0.2266,
0.1167

■ 17.7982, 0.2769,
0.2197

■ 5.7408, 0.2145,
0.1008

■ 22.2663, 0.2876,
0.2489

■ 4.9302, 0.2037,
0.0896

■ 27.5247, 0.2972,
0.2771

■ 33.6111, 0.3055,
0.3038

■ 40.5606, 0.3126,
0.3285

■ 48.4060, 0.3186,
0.3511

■ 57.1786, 0.3236,
0.3715

■ 66.9082, 0.3278,
0.3898

Harmonies

Analogous

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



11.0676, 0.1606, 0.1436



11.0676, 0.2524, 0.1628



11.0676, 0.3918, 0.2105

Triad

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



11.0676, 0.2524, 0.1628



11.0676, 0.5329, 0.4442



11.0676, 0.1296, 0.3335

Complementary

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



11.0676, 0.2524, 0.1628



33.4670, 0.3445, 0.4966

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.



11.0676, 0.2044, 0.5120



11.0676, 0.2524, 0.1628



11.0676, 0.4346, 0.5430

Square

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



11.0676, 0.2524, 0.1628



11.0676, 0.5774, 0.3556



11.0676, 0.3161, 0.5970



11.0676, 0.1039, 0.2098

Rectangle

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



11.0676, 0.2524, 0.1628



11.0676, 0.4884, 0.2547



11.0676, 0.3161, 0.5970



11.0676, 0.1487, 0.3918

Sweetspot

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



11.0680, 0.2524, 0.1628



51.2525, 0.2988, 0.2823



17.4855, 0.2188, 0.2334



10.7820, 0.2963, 0.2745



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



11.0680, 0.2524, 0.1628



14.5355, 0.2355, 0.1308



15.7348, 0.3192, 0.1916



7.9482, 0.3062, 0.3061



3.7483, 0.2047, 0.0901



0.1368, 0.2389, 0.1090

Inverse Universe

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



14.1281, 0.4010, 0.2552



20.8955, 0.4313, 0.2460



30.7709, 0.3038, 0.5195



8.0791, 0.3212, 0.3178



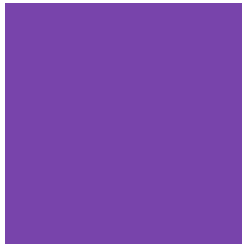
7.0289, 0.4944, 0.2497



0.2066, 0.4287, 0.2135

Previews

White Background



This preview shows how the Yxy color 11.0676, 0.2524, 0.1628 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 11.0676, 0.2524, 0.1628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

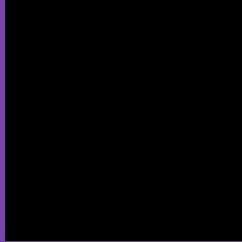
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.0676, 0.2524, 0.1628

Background



This preview shows how black text looks on a background with the Yxy color 11.0676, 0.2524, 0.1628.



This preview shows how white text looks on a background with the Yxy color 11.0676, 0.2524, 0.1628.

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

11.0676, 0.2524, 0.1628

Protanopia

11.1181, 0.1742, 0.1470

Deuteranopia

11.1923, 0.1915, 0.1872



Tritanopia

11.0535, 0.3297, 0.3134

Trichromacy



Original Color

11.0676, 0.2524, 0.1628

Protanomaly

10.0308, 0.1832, 0.1446

Deuteranomaly

10.3438, 0.2028, 0.1709

Tritanomaly

10.6944, 0.2979, 0.2437

Monochromacy



Original Color

11.0676, 0.2524, 0.1628

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.8701, 0.2876, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0676, 0.2524, 0.1628 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(120, 68, 171)` looks like.

```
.text, #text, p{  
  color:rgb(120, 68, 171)  
}
```

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(120, 68, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 68, 171) }
```

Border

The CSS property to change the border of an element to Yxy 11.0676, 0.2524, 0.1628 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(120, 68, 171) }
```

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

```
.border{ border-color:rgb(120, 68, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 68, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 68, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 68, 171);  
box-shadow:4px 4px 4px 4px rgb(120, 68,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 11.0676, 0.2524, 0.1628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 68, 171) }
```

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

```
.background{ background-color: rgb(120, 68,  
171) }
```

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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