

Converting Colors

$Y_{xy}(11.7953, 0.2825, 0.1727)$

Have a look what the booklet for
Yxy(11.7953, 0.2825, 0.1727)
contains.

Yxy(11.7972, 0.2821, 0.1724)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.7972, 0.2821, 0.1724)

Conversions

Conversions Part 1

Format	Color
Hex	8B3FA6
RGB	139, 63, 166
RGB Percent	55%, 25%, 65%
CMY	0.4550, 0.7528, 0.3491
CMYK	0.16, 0.62, 0.00, 0.35
HSL	284°, 45%, 45%
HSV	284°, 62%, 65%
XYZ	19.3039, 11.7972, 37.3281
YIQ	97.4660, 12.2330, 48.1450

Conversions

Conversions Part 2

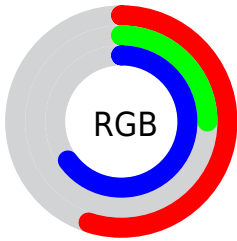
Format	Color
R _Y B	139, 63, 166
Decimal	9125798
CIE Lab	40.89, 48.68, -41.89
CIE LCh	41, 64.220, 319.289
Yxy	11.7972, 0.2821, 0.1724
Android (android.graphics.Color)	4287315878 (0xFF8B3FA6)
YUV	97.4660, 33.7873, 36.4253
Hunter-Lab	34.3471, 40.2140, -40.3930

Details

The Yxy color **11.7972, 0.2821, 0.1724** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.8010, 0.3232, 0.5136**, and the grayscale version is **11.9894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1375, 0.2915, 0.2031**, and **3.1887, 0.2617, 0.1234** is the 20% darker color. If you saturate the color by 10%, you get **9.8600, 0.2752, 0.1524**, and if you desaturate by 10%, it is **14.3045, 0.2886, 0.1956**.

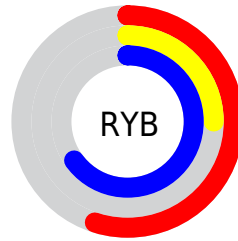
Distribution



Red (55%)

Green (25%)

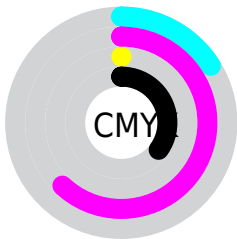
Blue (65%)



Red (55%)

Yellow (25%)

Blue (65%)

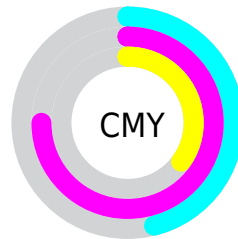


Cyan (16%)

Magenta (62%)

Yellow (0%)

Black (35%)



Cyan (46%)


Magenta (75%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7972, 0.2821, 0.1724 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 11.7972, 0.2821, 0.1724 by changing the saturation by 10% instead.


 11.7972, 0.2821,
0.1724


 11.7972, 0.2821,
0.1724


203.0580, 0.3036,
0.2557


 6.6057, 0.2741,
0.1509


 29.1252, 0.2917,
0.2035


 3.2168, 0.2619,
0.1237


 42.0305, 0.2947,
0.2149


 1.2459, 0.2423,
0.0890

 58.2760, 0.2971,
0.2245

 0.0987, 0.2152,
0.0156

 78.2458, 0.2989,
0.2327

 0.0000, 0.0980,
0.0000

 102.3246, 0.3004,
0.2397

 0.0000, 0.0000,
0.0000

130.8966, 0.3017,

0.2458

164.3463, 0.3027,
0.2511

■ 11.7972, 0.2821,
0.1724

■ 11.7972, 0.2821,
0.1724

■ 9.8600, 0.2752,
0.1524

■ 14.3045, 0.2886,
0.1956

■ 8.4399, 0.2682,
0.1365

■ 17.4258, 0.2947,
0.2209

■ 7.4758, 0.2613,
0.1250

■ 21.2023, 0.3000,
0.2473

■ 6.9229, 0.2559,
0.1183

■ 25.6713, 0.3047,
0.2738

■ 30.8669, 0.3088,
0.2996

■ 36.8213, 0.3121,
0.3242

■ 43.5645, 0.3149,
0.3472

■ 51.1251, 0.3171,
0.3685

■ 59.5300, 0.3189,
0.3880

Harmonies

Analogous

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



11.7972, 0.1785, 0.1464



11.7972, 0.2821, 0.1724



11.7972, 0.4269, 0.2259

Triad

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



11.7972, 0.2821, 0.1724



11.7972, 0.5122, 0.4673



11.7972, 0.1205, 0.2972

Complementary

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



11.7972, 0.2821, 0.1724



29.8010, 0.3232, 0.5136

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.



11.7972, 0.1830, 0.4701



11.7972, 0.2821, 0.1724



11.7972, 0.4063, 0.5608

Square

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



11.7972, 0.2821, 0.1724



11.7972, 0.5725, 0.3753



11.7972, 0.2888, 0.5903



11.7972, 0.1044, 0.1927

Rectangle

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



11.7972, 0.2821, 0.1724



11.7972, 0.5157, 0.2722



11.7972, 0.2888, 0.5903



11.7972, 0.1355, 0.3497

Sweetspot

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



11.7977, 0.2821, 0.1724



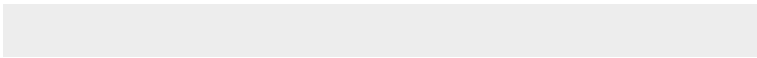
48.9925, 0.3059, 0.2808



11.2041, 0.2057, 0.1825



10.4115, 0.3047, 0.2736



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



11.7977, 0.2821, 0.1724



16.9365, 0.2729, 0.1466



13.6150, 0.3551, 0.2160



7.5662, 0.3097, 0.3065



5.3929, 0.2565, 0.1187



0.1539, 0.2789, 0.1310

Inverse Universe

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



12.4019, 0.4520, 0.2897



18.4662, 0.5016, 0.2877



29.0132, 0.2895, 0.4825



7.5734, 0.3246, 0.3231



6.4317, 0.5849, 0.2996



0.1647, 0.4947, 0.2499

Previews

White Background



This preview shows how the Yxy color 11.7972, 0.2821, 0.1724 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 11.7972, 0.2821, 0.1724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

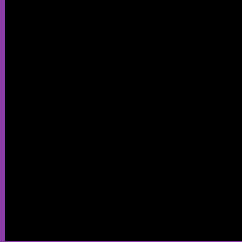
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7972, 0.2821, 0.1724

Background



This preview shows how black text looks on a background with the Yxy color 11.7972, 0.2821, 0.1724.



This preview shows how white text looks on a background with the Yxy color 11.7972, 0.2821, 0.1724.

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

11.7972, 0.2821, 0.1724

Protanopia

12.0086, 0.1770, 0.1488

Deuteranopia

11.9573, 0.2080, 0.2020



Tritanopia

11.8415, 0.3761, 0.3173

Trichromacy



Original Color

11.7972, 0.2821, 0.1724

Protanomaly

10.6365, 0.1926, 0.1470

Deuteranomaly

11.1319, 0.2267, 0.1842

Tritanomaly

11.5213, 0.3393, 0.2532

Monochromacy



Original Color

11.7972, 0.2821, 0.1724

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.3469, 0.3009, 0.2539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7972, 0.2821, 0.1724 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(139, 63, 166)` looks like.

```
.text, #text, p{  
    color:rgb(139, 63, 166)  
}
```

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(139, 63, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 63, 166) }
```

Border

The CSS property to change the border of an element to Yxy 11.7972, 0.2821, 0.1724 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(139, 63, 166) }
```

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

```
.border{ border-color:rgb(139, 63, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 63, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 63, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 63, 166);  
box-shadow:4px 4px 4px 4px rgb(139, 63,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7972, 0.2821, 0.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 63, 166) }
```

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

```
.background{ background-color: rgb(139, 63,  
166) }
```

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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