

Converting Colors

$Y_{xy}(30.6040, 0.2710, 0.2302)$

Have a look what the booklet for
Yxy(30.6040, 0.2710, 0.2302)
contains.

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Color

Yxy(30.7170, 0.2710, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	A38AD4
RGB	163, 138, 212
RGB Percent	64%, 54%, 83%
CMY	0.3610, 0.4587, 0.1687
CMYK	0.23, 0.35, 0.00, 0.17
HSL	260°, 46%, 69%
HSV	260°, 35%, 83%
XYZ	36.0672, 30.7170, 66.3051
YIQ	153.9110, -8.8540, 28.3140

Conversions

Conversions Part 2

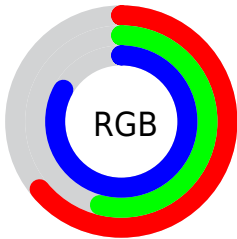
Format	Color
RYB	163, 138, 212
Decimal	10717908
CIELab	62.27, 24.63, -34.58
CIELCh	62, 42.450, 305.459
Yxy	30.7170, 0.2710, 0.2308
Android (android.graphics.Color)	4288907988 (0xFFA38AD4)
YUV	153.9110, 28.6379, 7.9711
Hunter-Lab	55.4229, 19.1711, -32.1354

Details

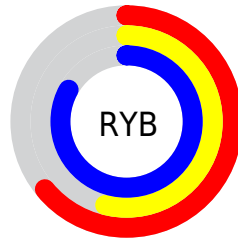
The Yxy color **30.7170, 0.2710, 0.2308** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.4873, 0.3447, 0.4216**, and the grayscale version is **32.1477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9793, 0.2890, 0.2622**, and **12.7288, 0.2571, 0.2045** is the 20% darker color. If you saturate the color by 10%, you get **23.8148, 0.2557, 0.1990**, and if you desaturate by 10%, it is **38.9736, 0.2849, 0.2616**.

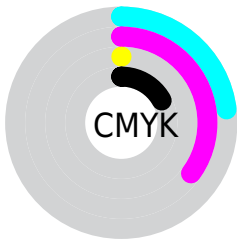
Distribution



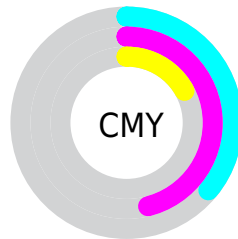
- Red (64%)
- Green (54%)
- Blue (83%)



- Red (64%)
- Yellow (54%)
- Blue (83%)



- Cyan (23%)
- Magenta (35%)
- Yellow (0%)
- Black (17%)





- Cyan (36%)
- Magenta (46%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7170, 0.2710, 0.2308 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 30.7170, 0.2710, 0.2308 by changing the saturation by 10% instead.


 30.7170, 0.2710,
0.2308


 30.7170, 0.2710,
0.2308


305.2324, 0.2937,
0.2796


 20.3834, 0.2648,
0.2189


 60.7942, 0.2796,
0.2483

 12.6741, 0.2567,
0.2040

 81.3067, 0.2828,
0.2550

 7.2045, 0.2454,
0.1846


 105.9810, 0.2854,
0.2606

 3.5903, 0.2291,
0.1588

135.2014, 0.2876,
0.2655

 1.4471, 0.2041,
0.1236

169.3523, 0.2894,
0.2697

 0.2511, 0.1674,
0.0500

208.8182, 0.2911,

 0.0000, 0.0000,

0.2734

0.0000

253.9834, 0.2925,
0.2767

■ 30.7170, 0.2710,
0.2308

■ 30.7170, 0.2710,
0.2308

■ 23.8148, 0.2557,
0.1990

■ 38.9736, 0.2849,
0.2616

■ 18.1887, 0.2394,
0.1675

■ 48.6499, 0.2973,
0.2905

■ 13.7576, 0.2227,
0.1379

■ 59.8111, 0.3080,
0.3170

■ 10.4295, 0.2066,
0.1123

■ 72.5173, 0.3172,
0.3409

■ 8.0981, 0.1920,
0.0921

■ 86.8254, 0.3251,
0.3623

■ 6.6347, 0.1796,
0.0784

■ 96.0969, 0.3331,
0.3718

■ 6.1093, 0.1742,
0.0733

■ 97.5327, 0.3382,
0.3711

Harmonies

Analogous

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



30.7170, 0.2213, 0.2247



30.7170, 0.2710, 0.2308



30.7170, 0.3383, 0.2571

Triad

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



30.7170, 0.2710, 0.2308



30.7170, 0.4424, 0.3994



30.7170, 0.2251, 0.3539

Complementary

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



30.7170, 0.2710, 0.2308



59.4873, 0.3447, 0.4216

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.



30.7170, 0.2779, 0.4210



30.7170, 0.2710, 0.2308



30.7170, 0.4039, 0.4406

Square

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



30.7170, 0.2710, 0.2308



30.7170, 0.4440, 0.3486



30.7170, 0.3434, 0.4535



30.7170, 0.1970, 0.2867

Rectangle

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



30.7170, 0.2710, 0.2308



30.7170, 0.3841, 0.2835



30.7170, 0.3434, 0.4535



30.7170, 0.2403, 0.3780

Sweetspot

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



30.7182, 0.2710, 0.2308



81.7292, 0.3026, 0.3035



45.8396, 0.2593, 0.2956



16.9846, 0.3011, 0.2997



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.7182, 0.2710, 0.2308



38.5584, 0.2595, 0.2068



35.1691, 0.3050, 0.2399



12.2100, 0.3033, 0.3053



3.8216, 0.1756, 0.0741



0.2753, 0.1950, 0.0848

Inverse Universe

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



35.7692, 0.3411, 0.2699



47.5178, 0.3495, 0.2571



55.4327, 0.3165, 0.4303



12.5582, 0.3189, 0.3137



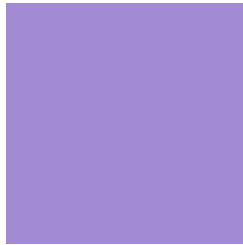
9.8394, 0.4281, 0.2132



0.6086, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 30.7170, 0.2710, 0.2308 looks on a white background.

Color Contrast Check

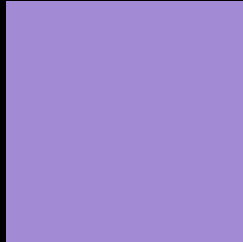
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.7170, 0.2710, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

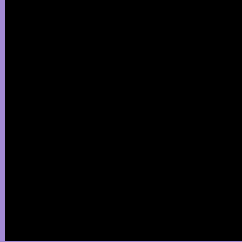
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7170, 0.2710, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 30.7170, 0.2710, 0.2308.



This preview shows how white text looks on a background with the Yxy color 30.7170, 0.2710, 0.2308.

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

30.7170, 0.2710, 0.2308

Protanopia

30.8591, 0.2388, 0.2284

Deuteranopia

30.9733, 0.2480, 0.2420



Tritanopia

30.9030, 0.3074, 0.3123

Trichromacy



Original Color

30.7170, 0.2710, 0.2308

Protanomaly

30.5317, 0.2493, 0.2285

Deuteranomaly

30.7936, 0.2558, 0.2372

Tritanomaly

30.6736, 0.2932, 0.2796

Monochromacy



Original Color

30.7170, 0.2710, 0.2308

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.4431, 0.2968, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7170, 0.2710, 0.2308 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(163, 138, 212)` looks like.

```
.text, #text, p{  
    color:rgb(163, 138, 212)  
}
```

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(163, 138, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 138, 212) }
```

Border

The CSS property to change the border of an element to Yxy 30.7170, 0.2710, 0.2308 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(163, 138, 212) }
```

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

```
.border{ border-color:rgb(163, 138, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 138, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 138, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 138, 212);  
box-shadow:4px 4px 4px 4px rgb(163, 138,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7170, 0.2710, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 138, 212) }
```

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

```
.background{ background-color: rgb(163,  
138, 212) }
```

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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