

Converting Colors

$Y_{xy}(20.6619, 0.2905, 0.2422)$

Have a look what the booklet for
Yxy(20.6619, 0.2905, 0.2422)
contains.

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Color

Yxy(20.7484, 0.2910, 0.2432)

Conversions

Conversions Part 1

Format	Color
Hex	9271A8
RGB	146, 113, 168
RGB Percent	57%, 44%, 66%
CMY	0.4275, 0.5568, 0.3412
CMYK	0.13, 0.33, 0.00, 0.34
HSL	276°, 24%, 55%
HSV	276°, 33%, 66%
XYZ	24.8264, 20.7484, 39.7393
YIQ	129.1370, 2.0130, 24.1010

Conversions

Conversions Part 2

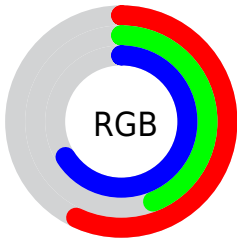
Format	Color
R_{YB}	146, 113, 168
Decimal	9597352
CIE _{Lab}	52.67, 23.61, -24.53
CIE _{LCh}	53, 34.045, 313.912
Yxy	20.7484, 0.2910, 0.2432
Android (android.graphics.Color)	4287787432 (0xFF9271A8)
YUV	129.1370, 19.1595, 14.7889
Hunter-Lab	45.5504, 17.5749, -19.8408

Details

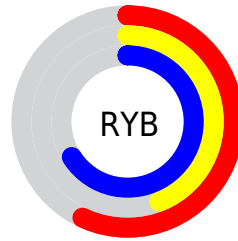
The Yxy color $20.7484, 0.2910, 0.2432$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.3466, 0.3283, 0.4181$, and the grayscale version is $21.9350, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.6555, 0.2970, 0.2607$, and $7.4744, 0.2814, 0.2155$ is the 20% darker color. If you saturate the color by 10%, you get $16.7434, 0.2822, 0.2151$, and if you desaturate by 10%, it is $25.4852, 0.2988, 0.2709$.

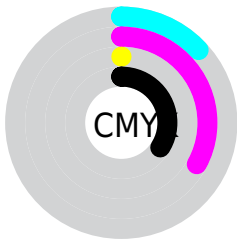
Distribution



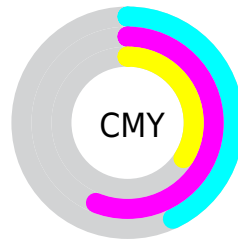
- Red (57%)
- Green (44%)
- Blue (66%)



- Red (57%)
- Yellow (44%)
- Blue (66%)



- Cyan (13%)
- Magenta (33%)
- Yellow (0%)
- Black (34%)





- Cyan (43%)
- Magenta (56%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7484, 0.2910, 0.2432 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 20.7484, 0.2910, 0.2432 by changing the saturation by 10% instead.


 20.7484, 0.2910,
0.2432


 20.7484, 0.2910,
0.2432


255.9383, 0.3041,
0.2889


 12.9402, 0.2869,
0.2309


 44.6684, 0.2963,
0.2605

 7.3874, 0.2810,
0.2147


 61.5491, 0.2982,
0.2668

 3.7055, 0.2719,
0.1923

 82.2226, 0.2996,
0.2720

 1.5102, 0.2569,
0.1599

 107.0735, 0.3008,
0.2764

 0.2959, 0.2358,
0.0814

136.4862, 0.3018,
0.2802

 0.0000, 0.0000,
0.0000

170.8449, 0.3027,

0.2835

210.5342, 0.3034,
0.2864

■ 20.7484, 0.2910,
0.2432

■ 20.7484, 0.2910,
0.2432

■ 16.7434, 0.2822,
0.2151

■ 25.4852, 0.2988,
0.2709

■ 13.4285, 0.2726,
0.1877

■ 30.9873, 0.3055,
0.2975

■ 10.7621, 0.2622,
0.1622


■ 37.2889, 0.3113,
0.3225

■ 8.6965, 0.2516,
0.1397


■ 44.4217, 0.3162,
0.3456

■ 7.1773, 0.2410,
0.1215


■ 52.4155, 0.3202,
0.3667


 6.1397, 0.2308,
0.1081

 61.2986, 0.3235,
0.3859

 5.5821, 0.2238,
0.1007

 71.0981, 0.3262,
0.4031

 81.8396, 0.3284,
0.4186

 87.5369, 0.3316,
0.4244

Harmonies

Analogous

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



20.7484, 0.2393, 0.2320



20.7484, 0.2910, 0.2432



20.7484, 0.3545, 0.2723

Triad

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



20.7484, 0.2910, 0.2432



20.7484, 0.4250, 0.4070



20.7484, 0.2223, 0.3337

Complementary

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



20.7484, 0.2910, 0.2432



34.3466, 0.3283, 0.4181

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.



20.7484, 0.2657, 0.3972



20.7484, 0.2910, 0.2432



20.7484, 0.3830, 0.4383

Square

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



20.7484, 0.2910, 0.2432



20.7484, 0.4364, 0.3616



20.7484, 0.3244, 0.4380



20.7484, 0.2030, 0.2769

Rectangle

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



20.7484, 0.2910, 0.2432



20.7484, 0.3939, 0.2992



20.7484, 0.3244, 0.4380



20.7484, 0.2344, 0.3554

Sweetspot

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



20.7493, 0.2910, 0.2432



59.0104, 0.3071, 0.3040



23.6662, 0.2602, 0.2732



12.5403, 0.3063, 0.3006



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.



20.7493, 0.2910, 0.2432



32.4434, 0.2850, 0.2236



22.7619, 0.3227, 0.2567



7.5147, 0.3076, 0.3063



4.2461, 0.2247, 0.1012



0.1318, 0.2571, 0.1190

Inverse Universe

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



21.8849, 0.3568, 0.2955



34.9206, 0.3702, 0.2881



32.8344, 0.3040, 0.4140



7.5902, 0.3226, 0.3200



6.6040, 0.5336, 0.2713



0.1708, 0.4483, 0.2243

Previews

White Background



This preview shows how the Yxy color 20.7484, 0.2910, 0.2432 looks on a white 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

Black Background



This preview shows how the Yxy color 20.7484, 0.2910, 0.2432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

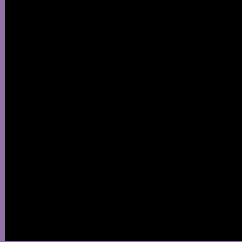
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7484, 0.2910, 0.2432

Background



This preview shows how black text looks on a background with the Yxy color 20.7484, 0.2910, 0.2432.



This preview shows how white text looks on a background with the Yxy color 20.7484, 0.2910, 0.2432.

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

20.7484, 0.2910, 0.2432

Protanopia

20.9046, 0.2481, 0.2404

Deuteranopia

20.8815, 0.2624, 0.2573



Tritanopia

20.8619, 0.3258, 0.3135

Trichromacy



Original Color

20.7484, 0.2910, 0.2432

Protanomaly

20.6999, 0.2617, 0.2405

Deuteranomaly

20.7350, 0.2719, 0.2512

Tritanomaly

20.7213, 0.3123, 0.2855

Monochromacy



Original Color

20.7484, 0.2910, 0.2432

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.3000, 0.3049, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7484, 0.2910, 0.2432 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(146, 113, 168)` looks like.

```
.text, #text, p{  
    color:rgb(146, 113, 168)  
}
```

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(146, 113, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 113, 168) }
```

Border

The CSS property to change the border of an element to Yxy 20.7484, 0.2910, 0.2432 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(146, 113, 168) }
```

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

```
.border{ border-color:rgb(146, 113, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 113, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 113, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 113, 168); box-shadow:4px 4px 4px 4px rgb(146, 113, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7484, 0.2910, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 113, 168) }
```

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

```
.background{ background-color: rgb(146,  
113, 168) }
```

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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