

Converting Colors

$Y_{xy}(24.2257, 0.2516, 0.1996)$

Have a look what the booklet for
Yxy(24.2257, 0.2516, 0.1996)
contains.

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Color

Yxy(24.3077, 0.2512, 0.2000)

Conversions

Conversions Part 1

Format	Color
Hex	9178D6
RGB	145, 120, 214
RGB Percent	57%, 47%, 84%
CMY	0.4314, 0.5294, 0.1608
CMYK	0.32, 0.44, 0.00, 0.16
HSL	256°, 53%, 65%
HSV	256°, 44%, 84%
XYZ	30.5305, 24.3077, 66.7003
YIQ	138.1910, -15.2740, 34.5340

Conversions

Conversions Part 2

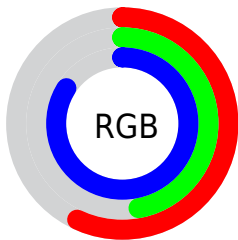
Format	Color
R_{YB}	145, 120, 214
Decimal	9533654
CIE _{Lab}	56.39, 30.38, -45.04
CIE _{LCh}	56, 54.329, 304.002
Yxy	24.3077, 0.2512, 0.2000
Android (android.graphics.Color)	4287723734 (0xFF9178D6)
YUV	138.1910, 37.3738, 5.9715
Hunter-Lab	49.3028, 24.2550, -45.6997

Details

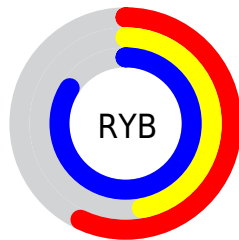
The Yxy color **24.3077, 0.2512, 0.2000** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.2685, 0.3573, 0.4446**, and the grayscale version is **25.3519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5246, 0.2747, 0.2384**, and **9.2338, 0.2292, 0.1650** is the 20% darker color. If you saturate the color by 10%, you get **18.3937, 0.2335, 0.1674**, and if you desaturate by 10%, it is **31.5710, 0.2679, 0.2326**.

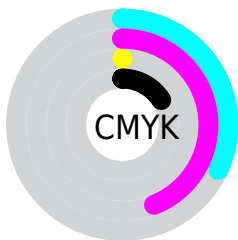
Distribution



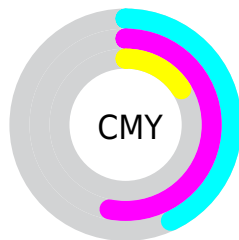
- Red (57%)
- Green (47%)
- Blue (84%)



- Red (57%)
- Yellow (47%)
- Blue (84%)



- Cyan (32%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)




- Cyan (43%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3077, 0.2512, 0.2000 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 24.3077, 0.2512, 0.2000 by changing the saturation by 10% instead.


 24.3077, 0.2512,
0.2000


 24.3077, 0.2512,
0.2000


274.3724, 0.2854,
0.2643


 15.5620, 0.2418,
0.1845


 50.5319, 0.2643,
0.2231

 9.2148, 0.2293,
0.1652


 68.7791, 0.2691,
0.2318

 4.8815, 0.2122,
0.1408


 90.9624, 0.2730,
0.2393

 2.1779, 0.1878,
0.1095

117.4661, 0.2763,
0.2457

 0.7079, 0.1519,
0.0692

148.6745, 0.2791,
0.2513

 0.0000, 0.0833,
0.0000

184.9721, 0.2815,

 0.0000, 0.0000,

0.2562

0.0000

226.7433, 0.2836,
0.2605

■ 24.3077, 0.2512,
0.2000

■ 24.3077, 0.2512,
0.2000

■ 18.3937, 0.2335,
0.1674

■ 31.5710, 0.2679,
0.2326

■ 13.7407, 0.2157,
0.1366

■ 40.2588, 0.2831,
0.2639

■ 10.2539, 0.1987,
0.1097

■ 50.4439, 0.2967,
0.2929

■ 7.8234, 0.1836,
0.0886

■ 62.1934, 0.3085,
0.3194

■ 6.3170, 0.1714,
0.0744

■ 75.5702, 0.3187,
0.3431

■ 5.7221, 0.1654,
0.0685

■ 90.6336, 0.3274,
0.3640

■ 97.6283, 0.3369,
0.3691

■ 97.6350, 0.3370,
0.3691

Harmonies

Analogous

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



24.3077, 0.1896, 0.1924



24.3077, 0.2512, 0.2000



24.3077, 0.3412, 0.2321

Triad

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



24.3077, 0.2512, 0.2000



24.3077, 0.4875, 0.4114



24.3077, 0.1966, 0.3667

Complementary

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



24.3077, 0.2512, 0.2000



60.2685, 0.3573, 0.4446

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.



24.3077, 0.2656, 0.4657



24.3077, 0.2512, 0.2000



24.3077, 0.4335, 0.4732

Square

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



24.3077, 0.2512, 0.2000



24.3077, 0.4918, 0.3453



24.3077, 0.3524, 0.5042



24.3077, 0.1614, 0.2711

Rectangle

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



24.3077, 0.2512, 0.2000



24.3077, 0.4061, 0.2646



24.3077, 0.3524, 0.5042



24.3077, 0.2163, 0.4025

Sweetspot

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



24.3086, 0.2512, 0.2000



76.3162, 0.2977, 0.2951



45.8926, 0.2482, 0.2966



15.5609, 0.2949, 0.2889



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.



24.3086, 0.2512, 0.2000



27.6637, 0.2342, 0.1687



29.3007, 0.2942, 0.2144



12.1668, 0.3022, 0.3052



3.5023, 0.1667, 0.0692



0.2518, 0.1850, 0.0793

Inverse Universe

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



31.4043, 0.3437, 0.2474



39.7746, 0.3530, 0.2312



55.3337, 0.3222, 0.4589



12.5737, 0.3178, 0.3120



10.1325, 0.4014, 0.1985



0.6245, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 24.3077, 0.2512, 0.2000 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 24.3077, 0.2512, 0.2000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

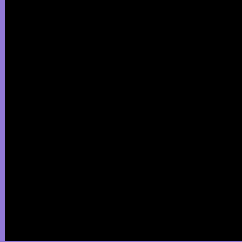
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3077, 0.2512, 0.2000

Background



This preview shows how black text looks on a background with the Yxy color 24.3077, 0.2512, 0.2000.



This preview shows how white text looks on a background with the Yxy color 24.3077, 0.2512, 0.2000.

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

24.3077, 0.2512, 0.2000

Protanopia

24.4802, 0.2128, 0.1946

Deuteranopia

24.4640, 0.2193, 0.2134



Tritanopia

24.2286, 0.2973, 0.3103

Trichromacy



Original Color

24.3077, 0.2512, 0.2000

Protanomaly

24.2362, 0.2242, 0.1961

Deuteranomaly

24.2294, 0.2291, 0.2080

Tritanomaly

24.1398, 0.2786, 0.2639

Monochromacy



Original Color

24.3077, 0.2512, 0.2000

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6485, 0.2884, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3077, 0.2512, 0.2000 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(145, 120, 214)` looks like.

```
.text, #text, p{  
    color:rgb(145, 120, 214)  
}
```

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(145, 120, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 120, 214) }
```

Border

The CSS property to change the border of an element to Yxy 24.3077, 0.2512, 0.2000 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(145, 120, 214) }
```

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

```
.border{ border-color:rgb(145, 120, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 120, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 120, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 120, 214);  
box-shadow:4px 4px 4px 4px rgb(145, 120,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3077, 0.2512, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 120, 214) }
```

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

```
.background{ background-color: rgb(145,  
120, 214) }
```

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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