

Converting Colors

$Y_{xy}(24.2904, 0.2752, 0.2547)$

Have a look what the booklet for
Yxy(24.2904, 0.2752, 0.2547)
contains.

Yxy(24.2781, 0.2752, 0.2544)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2781, 0.2752, 0.2544)

Conversions

Conversions Part 1

Format	Color
Hex	8A81B1
RGB	138, 129, 177
RGB Percent	54%, 51%, 69%
CMY	0.4589, 0.4941, 0.3059
CMYK	0.22, 0.27, 0.00, 0.31
HSL	251°, 24%, 60%
HSV	251°, 27%, 69%
XYZ	26.2631, 24.2781, 44.8916
YIQ	137.1630, -10.0440, 16.8360

Conversions

Conversions Part 2

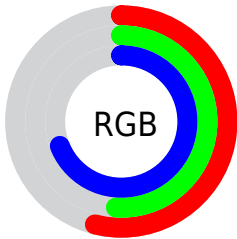
Format	Color
R_{YB}	138, 129, 177
Decimal	9077169
CIE _{Lab}	56.37, 13.75, -24.09
CIE _{LCh}	56, 27.735, 299.714
Yxy	24.2781, 0.2752, 0.2544
Android (android.graphics.Color)	4287267249 (0xFF8A81B1)
YUV	137.1630, 19.6396, 0.7340
Hunter-Lab	49.2728, 8.9156, -19.5271

Details

The Yxy color **24.2781, 0.2752, 0.2544** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.3540, 0.3444, 0.3974**, and the grayscale version is **25.0076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5456, 0.2832, 0.2692**, and **9.2188, 0.2612, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **18.8655, 0.2582, 0.2223**, and if you desaturate by 10%, it is **30.6630, 0.2906, 0.2843**.

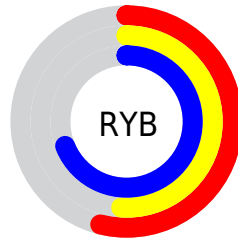
Distribution



Red (54%)

Green (51%)

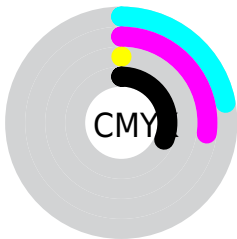
Blue (69%)



Red (54%)

Yellow (51%)

Blue (69%)

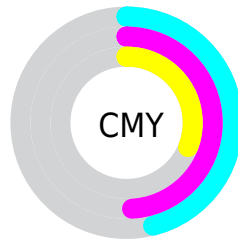


Cyan (22%)

Magenta (27%)

Yellow (0%)

Black (31%)



Cyan (46%)


Magenta (49%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2781, 0.2752, 0.2544 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 24.2781, 0.2752, 0.2544 by changing the saturation by 10% instead.


 24.2781, 0.2752,
0.2544


 24.2781, 0.2752,
0.2544


274.2235, 0.2961,
0.2939


 15.5400, 0.2692,
0.2439


 50.4836, 0.2834,
0.2693

 9.1993, 0.2610,
0.2300


 68.7199, 0.2863,
0.2747

 4.8714, 0.2492,
0.2109

 90.8910, 0.2886,
0.2792

 2.1720, 0.2310,
0.1833

117.3814, 0.2906,
0.2831

 0.7047, 0.2005,
0.1391

148.5755, 0.2923,
0.2864

 0.0000, 0.0000,
0.0000

184.8576, 0.2938,

0.2892

226.6121, 0.2950,
0.2917

■ 24.2781, 0.2752,
0.2544

■ 24.2781, 0.2752,
0.2544

■ 18.8655, 0.2582,
0.2223

■ 30.6630, 0.2906,
0.2843

■ 14.3742, 0.2399,
0.1891

■ 38.0619, 0.3041,
0.3114

■ 10.7532, 0.2210,
0.1562

■ 46.5176, 0.3160,
0.3357

■ 7.9450, 0.2026,
0.1257

■ 56.0695, 0.3261,
0.3572

■ 5.8852, 0.1858,
0.0998

■ 66.7552, 0.3348,
0.3760

■ 4.4995, 0.1718,
0.0802

■ 78.6103, 0.3422,
0.3924

■ 3.6825, 0.1614,
0.0678

■ 91.6689, 0.3485,
0.4068

■ 3.4982, 0.1590,
0.0649

■ 95.5992, 0.3578,
0.4060

■ 95.9539, 0.3591,
0.4057

Harmonies

Analogous

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



24.2781, 0.2411, 0.2540



24.2781, 0.2752, 0.2544



24.2781, 0.3221, 0.2714

Triad

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



24.2781, 0.2752, 0.2544



24.2781, 0.4078, 0.3761



24.2781, 0.2564, 0.3566

Complementary

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



24.2781, 0.2752, 0.2544



41.3540, 0.3444, 0.3974

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.



24.2781, 0.2980, 0.3984



24.2781, 0.2752, 0.2544



24.2781, 0.3863, 0.4059

Square

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



24.2781, 0.2752, 0.2544



24.2781, 0.4020, 0.3384



24.2781, 0.3456, 0.4163



24.2781, 0.2307, 0.3090

Rectangle

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



24.2781, 0.2752, 0.2544



24.2781, 0.3547, 0.2902



24.2781, 0.3456, 0.4163



24.2781, 0.2688, 0.3722

Sweetspot

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



24.2791, 0.2752, 0.2544



66.7252, 0.3028, 0.3088



35.9194, 0.2726, 0.3155



14.0160, 0.3009, 0.3049



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.2791, 0.2752, 0.2544



37.0338, 0.2644, 0.2339



26.5382, 0.2996, 0.2595



8.3040, 0.3013, 0.3057



2.5550, 0.1597, 0.0653



0.1031, 0.1852, 0.0794

Inverse Universe

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



27.8783, 0.3252, 0.2743



44.6986, 0.3289, 0.2611



38.9738, 0.3224, 0.4024



8.6190, 0.3165, 0.3107



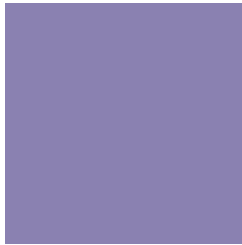
8.2383, 0.3738, 0.1833



0.2663, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 24.2781, 0.2752, 0.2544 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 24.2781, 0.2752, 0.2544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

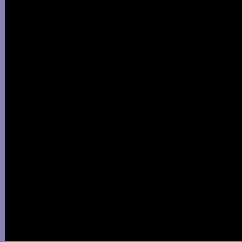
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2781, 0.2752, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 24.2781, 0.2752, 0.2544.



This preview shows how white text looks on a background with the Yxy color 24.2781, 0.2752, 0.2544.

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

24.2781, 0.2752, 0.2544

Protanopia

24.2079, 0.2584, 0.2537

Deuteranopia

24.3453, 0.2651, 0.2600



Tritanopia

24.3088, 0.2983, 0.3103

Trichromacy



Original Color

24.2781, 0.2752, 0.2544

Protanomaly

24.3464, 0.2644, 0.2545

Deuteranomaly

24.3829, 0.2687, 0.2591

Tritanomaly

24.2777, 0.2897, 0.2894

Monochromacy



Original Color

24.2781, 0.2752, 0.2544

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.6356, 0.2978, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2781, 0.2752, 0.2544 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(138, 129, 177)` looks like.

```
.text, #text, p{  
    color:rgb(138, 129, 177)  
}
```

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(138, 129, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 129, 177) }
```

Border

The CSS property to change the border of an element to Yxy 24.2781, 0.2752, 0.2544 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(138, 129, 177) }
```

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

```
.border{ border-color:rgb(138, 129, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 129, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 129, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 129, 177);  
box-shadow:4px 4px 4px 4px rgb(138, 129,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2781, 0.2752, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 129, 177) }
```

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

```
.background{ background-color: rgb(138,  
129, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor