

Converting Colors

$Y_{xy}(24.0222, 0.2674, 0.1972)$

Have a look what the booklet for
Yxy(24.0222, 0.2674, 0.1972)
contains.

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Color

Yxy(24.0232, 0.2675, 0.1972)

Conversions

Conversions Part 1

Format	Color
Hex	A270D4
RGB	162, 112, 212
RGB Percent	64%, 44%, 83%
CMY	0.3645, 0.5609, 0.1686
CMYK	0.24, 0.47, 0.00, 0.17
HSL	270°, 54%, 64%
HSV	270°, 47%, 83%
XYZ	32.5873, 24.0232, 65.2110
YIQ	138.3500, -2.3000, 41.7000

Conversions

Conversions Part 2

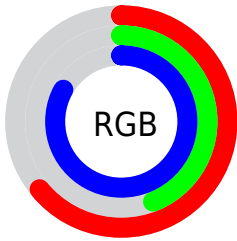
Format	Color
R _Y B	162, 112, 212
Decimal	10645716
CIE Lab	56.11, 39.13, -44.25
CIE LCh	56, 59.071, 311.481
Yxy	24.0232, 0.2675, 0.1972
Android (android.graphics.Color)	4288835796 (0xFFFA270D4)
YUV	138.3500, 36.3095, 20.7411
Hunter-Lab	49.0135, 32.9045, -44.5743

Details

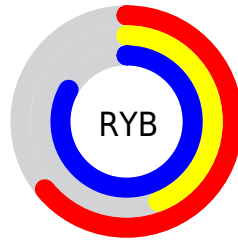
The Yxy color **24.0232, 0.2675, 0.1972** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **55.9332, 0.3411, 0.4614**, and the grayscale version is **25.4166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1903, 0.2880, 0.2333**, and **9.0677, 0.2500, 0.1620** is the 20% darker color. If you saturate the color by 10%, you get **18.8221, 0.2548, 0.1685**, and if you desaturate by 10%, it is **30.4208, 0.2794, 0.2269**.

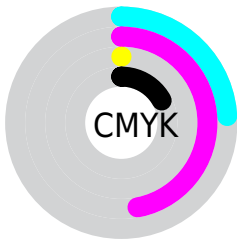
Distribution



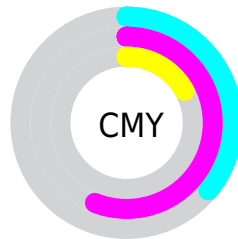
- Red (64%)
- Green (44%)
- Blue (83%)



- Red (64%)
- Yellow (44%)
- Blue (83%)



- Cyan (24%)
- Magenta (47%)
- Yellow (0%)
- Black (17%)





- Cyan (36%)
- Magenta (56%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0232, 0.2675, 0.1972 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 24.0232, 0.2675, 0.1972 by changing the saturation by 10% instead.


 24.0232, 0.2675,
0.1972


 24.0232, 0.2675,
0.1972


272.9377, 0.2937,
0.2624


 15.3508, 0.2600,
0.1817


 50.0681, 0.2778,
0.2204


 9.0660, 0.2498,
0.1624


 68.2093, 0.2814,
0.2293

 4.7842, 0.2356,
0.1380


 90.2757, 0.2844,
0.2369

 2.1212, 0.2146,
0.1070

 116.6516, 0.2869,
0.2434

 0.6765, 0.1823,
0.0668

147.7213, 0.2890,
0.2491

 0.0000, 0.1268,
0.0000

183.8693, 0.2908,

 0.0000, 0.0000,

0.2540

0.0000

225.4800, 0.2923,
0.2584

■ 24.0232, 0.2675,
0.1972

■ 24.0232, 0.2675,
0.1972

■ 18.8221, 0.2548,
0.1685

■ 30.4208, 0.2794,
0.2269

■ 14.7337, 0.2415,
0.1423

■ 38.0850, 0.2901,
0.2564

■ 11.6680, 0.2284,
0.1200


■ 47.0840, 0.2995,
0.2847


■ 9.5183, 0.2159,
0.1028

■ 57.4798, 0.3076,
0.3112

■ 8.1428, 0.2046,
0.0912


■ 69.3308, 0.3146,
0.3357

 7.8270, 0.2016,
0.0884

 82.6919, 0.3204,
0.3579

 94.1342, 0.3258,
0.3727

 96.0020, 0.3327,
0.3718

 97.5338, 0.3382,
0.3711

Harmonies

Analogous

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



24.0232, 0.1935, 0.1821



24.0232, 0.2675, 0.1972



24.0232, 0.3700, 0.2368

Triad

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



24.0232, 0.2675, 0.1972



24.0232, 0.4897, 0.4322



24.0232, 0.1742, 0.3401

Complementary

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



24.0232, 0.2675, 0.1972



55.9332, 0.3411, 0.4614

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.



24.0232, 0.2391, 0.4566



24.0232, 0.2675, 0.1972



24.0232, 0.4206, 0.4968

Square

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



24.0232, 0.2675, 0.1972



24.0232, 0.5120, 0.3613



24.0232, 0.3297, 0.5193



24.0232, 0.1472, 0.2455

Rectangle

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



24.0232, 0.2675, 0.1972



24.0232, 0.4387, 0.2739



24.0232, 0.3297, 0.5193



24.0232, 0.1917, 0.3796

Sweetspot

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



24.0241, 0.2675, 0.1972



76.0742, 0.3021, 0.2930



34.0344, 0.2372, 0.2564



15.5770, 0.3002, 0.2870



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.



24.0241, 0.2675, 0.1972



28.2932, 0.2542, 0.1673



30.3347, 0.3181, 0.2152



12.3111, 0.3059, 0.3055



4.8912, 0.2030, 0.0892



0.3442, 0.2219, 0.0996

Inverse Universe

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



28.1868, 0.3753, 0.2681



35.7233, 0.3965, 0.2564



51.7029, 0.3058, 0.4769



12.5232, 0.3214, 0.3174



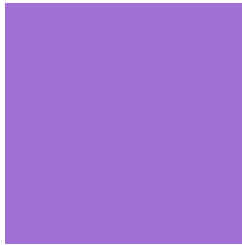
9.3019, 0.4950, 0.2501



0.5778, 0.4569, 0.2291

Previews

White Background



This preview shows how the Yxy color 24.0232, 0.2675, 0.1972 looks on a white background.

Color Contrast Check

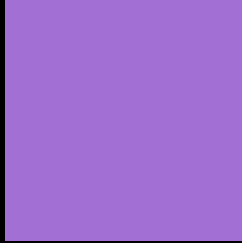
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0232, 0.2675, 0.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

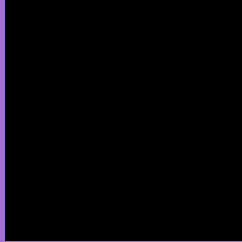
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0232, 0.2675, 0.1972

Background



This preview shows how black text looks on a background with the Yxy color 24.0232, 0.2675, 0.1972.



This preview shows how white text looks on a background with the Yxy color 24.0232, 0.2675, 0.1972.

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

24.0232, 0.2675, 0.1972

Protanopia

24.2211, 0.2076, 0.1875

Deuteranopia

24.1519, 0.2229, 0.2169



Tritanopia

23.9542, 0.3251, 0.3127

Trichromacy



Original Color

24.0232, 0.2675, 0.1972



Protanomaly

23.5249, 0.2242, 0.1893



Deuteranomaly

23.5901, 0.2358, 0.2071



Tritanomaly

23.7891, 0.3022, 0.2634

Monochromacy



Original Color

24.0232, 0.2675, 0.1972



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.6202, 0.2956, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0232, 0.2675, 0.1972 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(162, 112, 212)` looks like.

```
.text, #text, p{  
    color:rgb(162, 112, 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(162, 112, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 112, 212) }
```

Border

The CSS property to change the border of an element to Yxy 24.0232, 0.2675, 0.1972 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(162, 112, 212) }
```

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

```
.border{ border-color:rgb(162, 112, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 112, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 112, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 112, 212);  
box-shadow:4px 4px 4px 4px rgb(162, 112,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0232, 0.2675, 0.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 112, 212) }
```

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

```
.background{ background-color: rgb(162,  
112, 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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