

Converting Colors

$Y_{xy}(24.0193, 0.2519, 0.1591)$

Have a look what the booklet for
Yxy(24.0193, 0.2519, 0.1591)
contains.

Yxy(24.0262, 0.2515, 0.1591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.0262, 0.2515, 0.1591)

Conversions

Conversions Part 1

Format	Color
Hex	AD61F5
RGB	173, 97, 245
RGB Percent	68%, 38%, 96%
CMY	0.3217, 0.6195, 0.0393
CMYK	0.29, 0.60, 0.00, 0.04
HSL	271°, 88%, 67%
HSV	271°, 60%, 96%
XYZ	37.9798, 24.0262, 89.0072
YIQ	136.5960, -2.2120, 62.1400

Conversions

Conversions Part 2

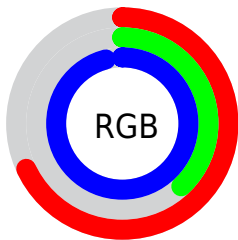
Format	Color
R _{YB}	173, 97, 245
Decimal	11362805
CIE Lab	56.11, 57.44, -62.67
CIE LCh	56, 85.012, 312.507
Yxy	24.0262, 0.2515, 0.1591
Android (android.graphics.Color)	4289552885 (0xFFAD61F5)
YUV	136.5960, 53.4432, 31.9263
Hunter-Lab	49.0165, 52.5295, -73.3508

Details

The Yxy color **24.0262, 0.2515, 0.1591** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **74.5997, 0.3440, 0.5013**, and the grayscale version is **24.6545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5090, 0.2983, 0.2223**, and **9.0770, 0.2287, 0.1217** is the 20% darker color. If you saturate the color by 10%, you get **18.8764, 0.2384, 0.1342**, and if you desaturate by 10%, it is **30.6966, 0.2643, 0.1871**.

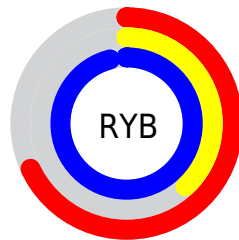
Distribution



Red (68%)

Green (38%)

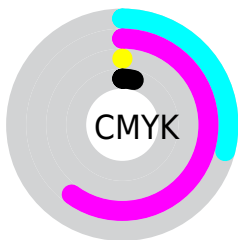
Blue (96%)



Red (68%)

Yellow (38%)

Blue (96%)

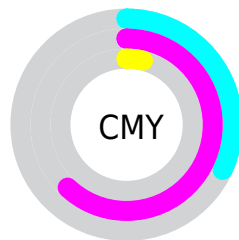


Cyan (29%)

Magenta (60%)

Yellow (0%)

Black (4%)



Cyan (32%)


Magenta (62%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0262, 0.2515, 0.1591 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 24.0262, 0.2515, 0.1591 by changing the saturation by 10% instead.


 24.0262, 0.2515,
0.1591


 24.0262, 0.2515,
0.1591


272.9529, 0.2867,
0.2380


 15.3531, 0.2419,
0.1420


 50.0730, 0.2650,
0.1859

 9.0675, 0.2293,
0.1218


 68.2153, 0.2699,
0.1965

 4.7853, 0.2124,
0.0979


 90.2830, 0.2739,
0.2058

 2.1218, 0.1891,
0.0702

 116.6602, 0.2773,
0.2139

 0.6769, 0.1564,
0.0391

147.7314, 0.2802,
0.2210

 0.0000, 0.1121,
0.0000

183.8810, 0.2827,

 0.0000, 0.0000,

0.2273

0.0000

225.4933, 0.2848,
0.2329

■ 24.0262, 0.2515,
0.1591

■ 24.0262, 0.2515,
0.1591

■ 18.8764, 0.2384,
0.1342

■ 30.6966, 0.2643,
0.1871

■ 15.1080, 0.2256,
0.1138

■ 39.0044, 0.2763,
0.2167


■ 12.5594, 0.2136,
0.0988


■ 49.0578, 0.2872,
0.2464

■ 11.0055, 0.2032,
0.0893

■ 60.9546, 0.2969,
0.2754

■ 74.7854, 0.3053,
0.3027

 90.6346, 0.3125,
0.3281

 99.3715, 0.3185,
0.3386

Harmonies

Analogous

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



24.0262, 0.1574, 0.1393



24.0262, 0.2515, 0.1591



24.0262, 0.3959, 0.2078

Triad

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



24.0262, 0.2515, 0.1591



24.0262, 0.5353, 0.4443



24.0262, 0.1239, 0.3309

Complementary

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



24.0262, 0.2515, 0.1591



74.5997, 0.3440, 0.5013

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.



24.0262, 0.1989, 0.5182



24.0262, 0.2515, 0.1591



24.0262, 0.4321, 0.5460

Square

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



24.0262, 0.2515, 0.1591



24.0262, 0.5851, 0.3548



24.0262, 0.3125, 0.6069



24.0262, 0.0990, 0.2047

Rectangle

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



24.0262, 0.2515, 0.1591



24.0262, 0.4959, 0.2528



24.0262, 0.3125, 0.6069



24.0262, 0.1428, 0.3915

Sweetspot

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



24.0271, 0.2515, 0.1591



70.1355, 0.2990, 0.2820



38.2644, 0.2166, 0.2304



14.1215, 0.2964, 0.2738



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.



24.0271, 0.2515, 0.1591



19.8431, 0.2361, 0.1302



34.5570, 0.3193, 0.1889



16.3448, 0.3060, 0.3051



6.0127, 0.2049, 0.0902



0.5896, 0.2182, 0.0976

Inverse Universe

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



30.8325, 0.4062, 0.2551



28.3831, 0.4350, 0.2473



68.7012, 0.3035, 0.5247



16.6170, 0.3217, 0.3175



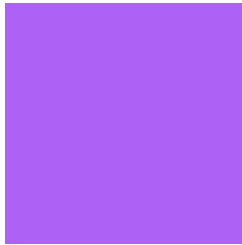
11.2068, 0.5016, 0.2537



1.0057, 0.4729, 0.2379

Previews

White Background



This preview shows how the Yxy color 24.0262, 0.2515, 0.1591 looks on a white background.

Color Contrast Check

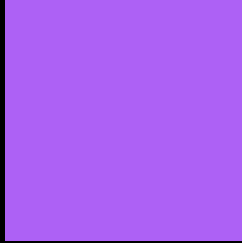
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0262, 0.2515, 0.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

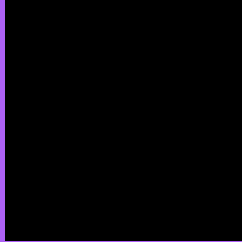
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0262, 0.2515, 0.1591

Background



This preview shows how black text looks on a background with the Yxy color 24.0262, 0.2515, 0.1591.



This preview shows how white text looks on a background with the Yxy color 24.0262, 0.2515, 0.1591.

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

24.0262, 0.2515, 0.1591

Protanopia

24.5764, 0.1880, 0.1630

Deuteranopia

24.2806, 0.1894, 0.1827



Tritanopia

23.7572, 0.3325, 0.3129

Trichromacy



Original Color

24.0262, 0.2515, 0.1591



Protanomaly

23.1017, 0.2022, 0.1572



Deuteranomaly

22.4856, 0.2008, 0.1666



Tritanomaly

23.0990, 0.2986, 0.2414

Monochromacy



Original Color

24.0262, 0.2515, 0.1591



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.5377, 0.2879, 0.2475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0262, 0.2515, 0.1591 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(173, 97, 245)` looks like.

```
.text, #text, p{  
    color:rgb(173, 97, 245)  
}
```

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(173, 97, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 97, 245) }
```

Border

The CSS property to change the border of an element to Yxy 24.0262, 0.2515, 0.1591 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(173, 97, 245) }
```

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

```
.border{ border-color:rgb(173, 97, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 97, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 97, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 97, 245);  
box-shadow:4px 4px 4px 4px rgb(173, 97,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0262, 0.2515, 0.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 97, 245) }
```

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

```
.background{ background-color: rgb(173, 97,  
245) }
```

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