

Converting Colors

$Y_{xy}(24.0965, 0.2341, 0.1520)$

Have a look what the booklet for
Yxy(24.0965, 0.2341, 0.1520)
contains.

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Color

Yxy(24.0937, 0.2341, 0.1520)

Conversions

Conversions Part 1

Format	Color
Hex	9F66FF
RGB	159, 102, 255
RGB Percent	62%, 40%, 100%
CMY	0.3763, 0.6001, 0.0000
CMYK	0.38, 0.60, 0.00, 0.00
HSL	262°, 100%, 70%
HSV	262°, 60%, 100%
XYZ	37.1075, 24.0937, 97.3100
YIQ	136.4850, -15.1410, 59.6670

Conversions

Conversions Part 2

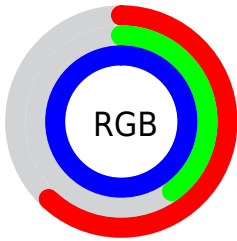
Format	Color
R _Y B	159, 102, 255
Decimal	10446591
CIE Lab	56.18, 54.31, -68.20
CIE LCh	56, 87.179, 308.532
Yxy	24.0937, 0.2341, 0.1520
Android (android.graphics.Color)	4288636671 (0xFF9F66FF)
YUV	136.4850, 58.4279, 19.7457
Hunter-Lab	49.0853, 49.0429, -83.1807

Details

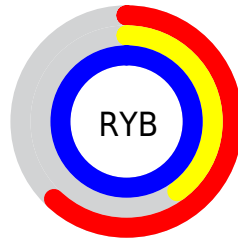
The Yxy color **24.0937, 0.2341, 0.1520** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.4742, 0.3581, 0.4925**, and the grayscale version is **24.5927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5681, 0.2869, 0.2228**, and **9.1082, 0.2082, 0.1148** is the 20% darker color. If you saturate the color by 10%, you get **18.2997, 0.2181, 0.1247**, and if you desaturate by 10%, it is **31.6402, 0.2501, 0.1824**.

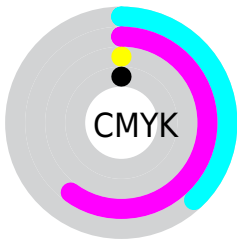
Distribution



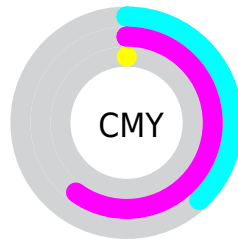
- Red (62%)
- Green (40%)
- Blue (100%)



- Red (62%)
- Yellow (40%)
- Blue (100%)



- Cyan (38%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0937, 0.2341, 0.1520 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 24.0937, 0.2341, 0.1520 by changing the saturation by 10% instead.


 24.0937, 0.2341,
0.1520


 24.0937, 0.2341,
0.1520


273.2939, 0.2776,
0.2334


 15.4031, 0.2228,
0.1347


 50.1831, 0.2504,
0.1794


 9.1028, 0.2082,
0.1145


 68.3507, 0.2565,
0.1904

 4.8083, 0.1892,
0.0909


 90.4460, 0.2615,
0.1999

 2.1352, 0.1639,
0.0640

 116.8536, 0.2657,
0.2083

 0.6843, 0.1303,
0.0348

147.9578, 0.2694,
0.2157

 0.0000, 0.0875,
0.0000

184.1430, 0.2725,

 0.0000, 0.0000,

0.2222

0.0000

225.7935, 0.2752,
0.2281

■ 24.0937, 0.2341,
0.1520

■ 24.0937, 0.2341,
0.1520

■ 18.2997, 0.2181,
0.1247

■ 31.6402, 0.2501,
0.1824

■ 14.1031, 0.2029,
0.1022

■ 41.0743, 0.2655,
0.2141

■ 11.3207, 0.1895,
0.0859

■ 52.5180, 0.2796,
0.2455

■ 9.6588, 0.1784,
0.0756

■ 66.0827, 0.2922,
0.2755

■ 81.8716, 0.3032,
0.3035

99.9809, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.0937, 0.1460, 0.1360



24.0937, 0.2341, 0.1520



24.0937, 0.3761, 0.1975

Triad

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



24.0937, 0.2341, 0.1520



24.0937, 0.5491, 0.4311



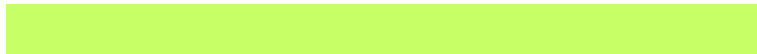
24.0937, 0.1272, 0.3541

Complementary

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



24.0937, 0.2341, 0.1520



84.4742, 0.3581, 0.4925

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.



24.0937, 0.2096, 0.5459



24.0937, 0.2341, 0.1520



24.0937, 0.4480, 0.5354

Square

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



24.0937, 0.2341, 0.1520



24.0937, 0.5904, 0.3428



24.0937, 0.3269, 0.6116



24.0937, 0.0967, 0.2137

Rectangle

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



24.0937, 0.2341, 0.1520



24.0937, 0.4813, 0.2414



24.0937, 0.3269, 0.6116



24.0937, 0.1486, 0.4191

Sweetspot

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



24.0939, 0.2341, 0.1520



69.0744, 0.2945, 0.2813



50.8399, 0.2231, 0.2582



13.8639, 0.2911, 0.2729



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.



24.0939, 0.2341, 0.1520



17.3426, 0.2150, 0.1198



34.3114, 0.3005, 0.1811



17.7077, 0.3037, 0.3048



5.1248, 0.1800, 0.0765



0.5588, 0.1924, 0.0834

Inverse Universe

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



34.8315, 0.3792, 0.2351



29.3849, 0.3988, 0.2235



76.6440, 0.3128, 0.5186



18.1787, 0.3196, 0.3142



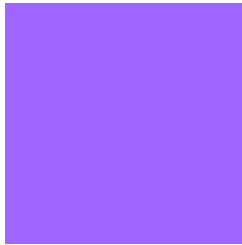
12.4629, 0.4434, 0.2216



1.2346, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 24.0937, 0.2341, 0.1520 looks on a white background.

Color Contrast Check

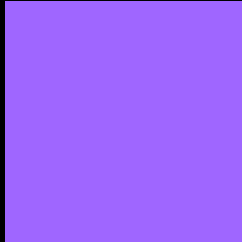
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0937, 0.2341, 0.1520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

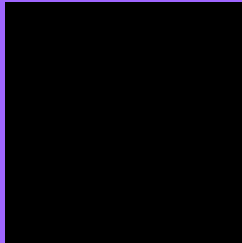
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0937, 0.2341, 0.1520

Background



This preview shows how black text looks on a background with the Yxy color 24.0937, 0.2341, 0.1520.



This preview shows how white text looks on a background with the Yxy color 24.0937, 0.2341, 0.1520.

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

24.0937, 0.2341, 0.1520

Protanopia

24.5426, 0.1877, 0.1629

Deuteranopia

24.3021, 0.1827, 0.1778



Tritanopia

23.9396, 0.3036, 0.3104

Trichromacy



Original Color

24.0937, 0.2341, 0.1520



Protanomaly

23.3056, 0.1984, 0.1546



Deuteranomaly

22.0302, 0.1856, 0.1589



Tritanomaly

23.3091, 0.2743, 0.2358

Monochromacy



Original Color

24.0937, 0.2341, 0.1520



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.5993, 0.2790, 0.2452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0937, 0.2341, 0.1520 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(159, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 102, 255)  
}
```

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(159, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.0937, 0.2341, 0.1520 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(159, 102, 255) }
```

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

```
.border{ border-color:rgb(159, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0937, 0.2341, 0.1520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 102, 255) }
```

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

```
.background{ background-color: rgb(159,  
102, 255) }
```

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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