

Converting Colors

$Y_{xy}(41.6852, 0.2514, 0.2375)$

Have a look what the booklet for
Yxy(41.6852, 0.2514, 0.2375)
contains.

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Color

Yxy(41.6852, 0.2514, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	9EA8F2
RGB	158, 168, 242
RGB Percent	62%, 66%, 95%
CMY	0.3804, 0.3411, 0.0511
CMYK	0.35, 0.31, 0.00, 0.05
HSL	233°, 76%, 78%
HSV	233°, 35%, 95%
XYZ	44.1249, 41.6852, 89.7066
YIQ	173.4460, -29.7140, 20.8940

Conversions

Conversions Part 2

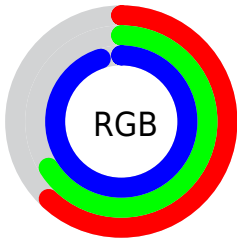
Format	Color
R _Y B	158, 167, 242
Decimal	10397938
CIE Lab	70.65, 13.65, -38.09
CIE LCh	71, 40.462, 289.715
Yxy	41.6852, 0.2514, 0.2375
Android (android.graphics.Color)	4288588018 (0xFF9EA8F2)
YUV	173.4460, 33.7971, -13.5461
Hunter-Lab	64.5641, 9.0047, -37.1838

Details

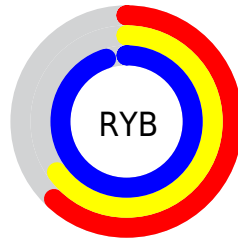
The Yxy color `41.6852, 0.2514, 0.2375` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `79.0278, 0.3683, 0.4064`, and the grayscale version is `41.8638, 0.3127, 0.3290`.

A 20% lighter version of the original color is `74.4424, 0.2875, 0.2953`, and `18.9195, 0.2336, 0.2135` is the 20% darker color. If you saturate the color by 10%, you get `32.2354, 0.2310, 0.2057`, and if you desaturate by 10%, it is `52.9105, 0.2710, 0.2673`.

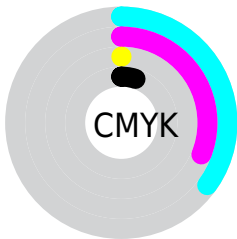
Distribution



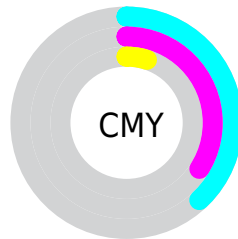
- Red (62%)
- Green (66%)
- Blue (95%)



- Red (62%)
- Yellow (65%)
- Blue (95%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (38%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6852, 0.2514, 0.2375 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 41.6852, 0.2514, 0.2375 by changing the saturation by 10% instead.

■ 41.6852, 0.2514,
0.2375

■ 41.6852, 0.2514,
0.2375

■ 353.1763, 0.2822,
0.2814

■ 28.8549, 0.2439,
0.2272

■ 77.7230, 0.2625,
0.2530

■ 18.9711, 0.2343,
0.2145

■ 101.6992, 0.2667,
0.2589

■ 11.6494, 0.2219,
0.1983

■ 130.1595, 0.2703,
0.2640

■ 6.5054, 0.2052,
0.1773

■ 163.4883, 0.2733,
0.2685

■ 3.1548, 0.1819,
0.1492

■ 202.0700, 0.2760,
0.2723

■ 1.2131, 0.1480,
0.1112

■ 246.2890, 0.2783,

■ 0.0723, 0.0887,

0.2757

0.0160

296.5296, 0.2803,
0.2787

0.0000, 0.0000,
0.0000

41.6852, 0.2514,
0.2375

41.6852, 0.2514,
0.2375

32.2354, 0.2310,
0.2057

52.9105, 0.2710,
0.2673

24.4652, 0.2107,
0.1730

65.9912, 0.2891,
0.2945

18.2766, 0.1916,
0.1414

81.0081, 0.3056,
0.3187

13.5597, 0.1752,
0.1129

98.0355, 0.3203,
0.3399

10.1900, 0.1626,
0.0897

99.1895, 0.3203,
0.3415

■ 8.0216, 0.1546,
0.0732

■ 7.2825, 0.1520,
0.0673

Harmonies

Analogous

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



41.6852, 0.2182, 0.2434



41.6852, 0.2514, 0.2375



41.6852, 0.3036, 0.2517

Triad

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



41.6852, 0.2514, 0.2375



41.6852, 0.4300, 0.3692



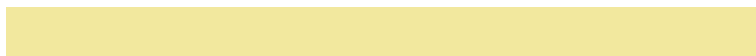
41.6852, 0.2591, 0.3822

Complementary

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



41.6852, 0.2514, 0.2375



79.0278, 0.3683, 0.4064

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.



41.6852, 0.3129, 0.4265



41.6852, 0.2514, 0.2375



41.6852, 0.4132, 0.4104

Square

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



41.6852, 0.2514, 0.2375



41.6852, 0.4118, 0.3238



41.6852, 0.3695, 0.4347



41.6852, 0.2218, 0.3222

Rectangle

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



41.6852, 0.2514, 0.2375



41.6852, 0.3438, 0.2706



41.6852, 0.3695, 0.4347



41.6852, 0.2758, 0.4001

Sweetspot

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



41.6868, 0.2514, 0.2375



81.9802, 0.2970, 0.3062



76.5158, 0.2692, 0.3419



17.0438, 0.2947, 0.3027



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.



41.6868, 0.2514, 0.2375



38.8859, 0.2363, 0.2140



41.6496, 0.2728, 0.2310



15.5326, 0.2980, 0.3075



4.0145, 0.1525, 0.0688



0.4319, 0.1573, 0.0861

Inverse Universe

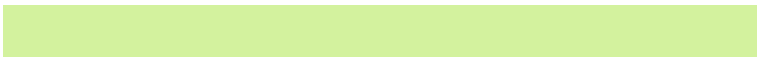
The Inverse Universe completely reimagines the original color for something new.



46.1500, 0.3854, 0.3181



44.9705, 0.4089, 0.3159



79.8348, 0.3430, 0.4224



15.7895, 0.3274, 0.3262



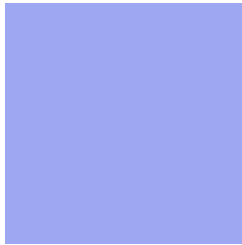
10.1986, 0.6252, 0.3218



0.8583, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 41.6852, 0.2514, 0.2375 looks on a white background.

Color Contrast Check

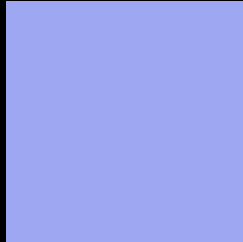
Large Text (above 18pt) WCAG AA × Fail

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 41.6852, 0.2514, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

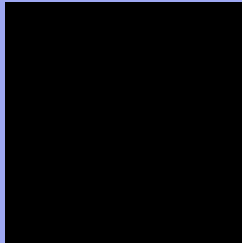
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6852, 0.2514, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 41.6852, 0.2514, 0.2375.



This preview shows how white text looks on a background with the Yxy color 41.6852, 0.2514, 0.2375.

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

41.6852, 0.2514, 0.2375

Protanopia

41.7651, 0.2453, 0.2367

Deuteranopia

41.8663, 0.2465, 0.2410



Tritanopia

41.8496, 0.2769, 0.3093

Trichromacy



Original Color

41.6852, 0.2514, 0.2375

Protanomaly

41.6193, 0.2477, 0.2369

Deuteranomaly

41.7757, 0.2483, 0.2401

Tritanomaly

41.5046, 0.2672, 0.2806

Monochromacy



Original Color

41.6852, 0.2514, 0.2375

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.5279, 0.2886, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6852, 0.2514, 0.2375 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(158, 168, 242)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 242)  
}
```

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(158, 168, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 242) }
```

Border

The CSS property to change the border of an element to Yxy 41.6852, 0.2514, 0.2375 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(158, 168, 242) }
```

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

```
.border{ border-color:rgb(158, 168, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 168, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 242);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6852, 0.2514, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 242) }
```

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

```
.background{ background-color: rgb(158,  
168, 242) }
```

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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