

Converting Colors

$Y_{xy}(31.7368, 0.2543, 0.2138)$

Have a look what the booklet for
Yxy(31.7368, 0.2543, 0.2138)
contains.

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Color

Yxy(31.7384, 0.2543, 0.2137)

Conversions

Conversions Part 1

Format	Color
Hex	9E8CE6
RGB	158, 140, 230
RGB Percent	62%, 55%, 90%
CMY	0.3803, 0.4510, 0.0980
CMYK	0.31, 0.39, 0.00, 0.10
HSL	252°, 64%, 73%
HSV	252°, 39%, 90%
XYZ	37.7683, 31.7384, 79.0118
YIQ	155.6420, -18.1620, 31.8060

Conversions

Conversions Part 2

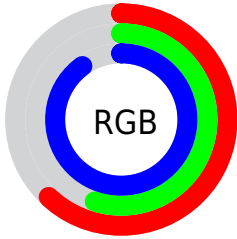
Format	Color
R_{YB}	158, 140, 230
Decimal	10390758
CIE _{Lab}	63.13, 26.53, -43.30
CIE _{LCh}	63, 50.782, 301.497
Yxy	31.7384, 0.2543, 0.2137
Android (android.graphics.Color)	4288580838 (0xFF9E8CE6)
YUV	155.6420, 36.6585, 2.0680
Hunter-Lab	56.3368, 21.0770, -43.7178

Details

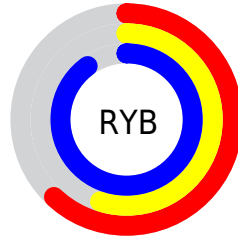
The Yxy color **31.7384, 0.2543, 0.2137** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.4902, 0.3576, 0.4307**, and the grayscale version is **32.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2506, 0.2862, 0.2638**, and **13.3114, 0.2361, 0.1848** is the 20% darker color. If you saturate the color by 10%, you get **23.9782, 0.2357, 0.1800**, and if you desaturate by 10%, it is **41.1850, 0.2717, 0.2466**.

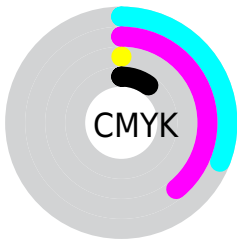
Distribution



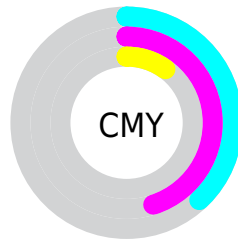
- Red (62%)
- Green (55%)
- Blue (90%)



- Red (62%)
- Yellow (55%)
- Blue (90%)



- Cyan (31%)
- Magenta (39%)
- Yellow (0%)
- Black (10%)




- Cyan (38%)
- Magenta (45%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7384, 0.2543, 0.2137 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 31.7384, 0.2543, 0.2137 by changing the saturation by 10% instead.

 31.7384, 0.2543,
0.2137


 31.7384, 0.2543,
0.2137

309.9259, 0.2854,
0.2697

 21.1618, 0.2462,
0.2005


 62.4008, 0.2659,
0.2335

 13.2423, 0.2357,
0.1842


 83.2553, 0.2702,
0.2411

 7.5956, 0.2216,
0.1636


 108.3045, 0.2738,
0.2476

 3.8373, 0.2020,
0.1371

137.9329, 0.2768,
0.2532

 1.5830, 0.1738,
0.1029

172.5249, 0.2794,
0.2582

 0.3461, 0.1335,
0.0470

212.4647, 0.2817,

 0.0000, 0.0000,

0.2625

0.0000

258.1369, 0.2836,
0.2663

■ 31.7384, 0.2543,
0.2137

■ 31.7384, 0.2543,
0.2137

■ 23.9782, 0.2357,
0.1800

■ 41.1850, 0.2717,
0.2466

■ 17.8001, 0.2167,
0.1472

■ 52.4064, 0.2876,
0.2775

■ 13.0939, 0.1984,
0.1175

■ 65.4895, 0.3015,
0.3058

■ 9.7332, 0.1822,
0.0931

■ 80.5139, 0.3137,
0.3311

■ 7.5696, 0.1690,
0.0758

■ 97.5550, 0.3241,
0.3534

■ 6.3780, 0.1596,
0.0656

■ 98.4942, 0.3274,
0.3532

■ 6.2976, 0.1589,
0.0649

Harmonies

Analogous

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



31.7384, 0.2014, 0.2095



31.7384, 0.2543, 0.2137



31.7384, 0.3310, 0.2408

Triad

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



31.7384, 0.2543, 0.2137



31.7384, 0.4672, 0.4001



31.7384, 0.2165, 0.3694

Complementary

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



31.7384, 0.2543, 0.2137



72.4902, 0.3576, 0.4307

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.



31.7384, 0.2799, 0.4485



31.7384, 0.2543, 0.2137



31.7384, 0.4253, 0.4527

Square

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



31.7384, 0.2543, 0.2137



31.7384, 0.4644, 0.3414



31.7384, 0.3564, 0.4781



31.7384, 0.1813, 0.2867

Rectangle

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



31.7384, 0.2543, 0.2137



31.7384, 0.3864, 0.2693



31.7384, 0.3564, 0.4781



31.7384, 0.2350, 0.3987

Sweetspot

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



31.7396, 0.2543, 0.2137



77.6580, 0.2976, 0.2978



58.3820, 0.2552, 0.3063



16.1477, 0.2958, 0.2941



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.



31.7396, 0.2543, 0.2137



31.9786, 0.2392, 0.1863



37.1648, 0.2928, 0.2253



14.0256, 0.3011, 0.3049



3.6056, 0.1600, 0.0655



0.3050, 0.1734, 0.0729

Inverse Universe

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



40.3309, 0.3338, 0.2498



44.3980, 0.3395, 0.2343



66.7125, 0.3248, 0.4424



14.5631, 0.3168, 0.3104



11.4989, 0.3790, 0.1862



0.8623, 0.3689, 0.1806

Previews

White Background



This preview shows how the Yxy color 31.7384, 0.2543, 0.2137 looks on a white background.

Color Contrast Check

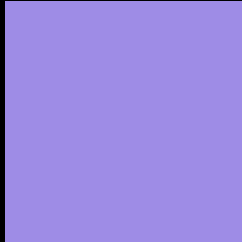
Large Text (above 18pt) WCAG AA × Fail

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 31.7384, 0.2543, 0.2137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

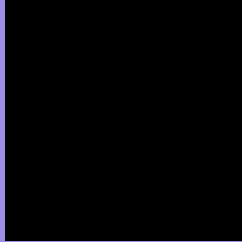
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7384, 0.2543, 0.2137

Background



This preview shows how black text looks on a background with the Yxy color 31.7384, 0.2543, 0.2137.



This preview shows how white text looks on a background with the Yxy color 31.7384, 0.2543, 0.2137.

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

31.7384, 0.2543, 0.2137

Protanopia

31.9788, 0.2252, 0.2113

Deuteranopia

31.9245, 0.2307, 0.2252



Tritanopia

31.8841, 0.2934, 0.3106

Trichromacy



Original Color

31.7384, 0.2543, 0.2137

Protanomaly

31.6243, 0.2347, 0.2114

Deuteranomaly

31.7678, 0.2384, 0.2210

Tritanomaly

31.6530, 0.2786, 0.2712

Monochromacy



Original Color

31.7384, 0.2543, 0.2137

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.3997, 0.2899, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7384, 0.2543, 0.2137 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, 140, 230)` looks like.

```
.text, #text, p{  
    color:rgb(158, 140, 230)  
}
```

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, 140, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 140, 230) }
```

Border

The CSS property to change the border of an element to Yxy 31.7384, 0.2543, 0.2137 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, 140, 230) }
```

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

```
.border{ border-color:rgb(158, 140, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 140, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 140, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 140, 230);  
box-shadow:4px 4px 4px 4px rgb(158, 140,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7384, 0.2543, 0.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 140, 230) }
```

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

```
.background{ background-color: rgb(158,  
140, 230) }
```

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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