

Converting Colors

$Yxy(31.1813, 0.2765, 0.2394)$

Have a look what the booklet for
Yxy(31.1813, 0.2765, 0.2394)
contains.

Yxy(31.1537, 0.2760, 0.2392)	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(31.1537, 0.2760, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	A48CCF
RGB	164, 140, 207
RGB Percent	64%, 55%, 81%
CMY	0.3569, 0.4509, 0.1883
CMYK	0.21, 0.32, 0.00, 0.19
HSL	261°, 41%, 68%
HSV	261°, 32%, 81%
XYZ	35.9466, 31.1537, 63.1409
YIQ	154.8140, -7.2030, 25.9250

Conversions

Conversions Part 2

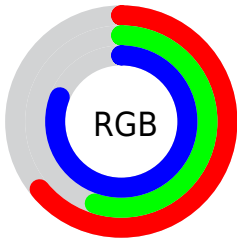
Format	Color
RYB	164, 140, 207
Decimal	10783951
CIELab	62.64, 22.63, -31.20
CIELCh	63, 38.543, 305.956
Yxy	31.1537, 0.2760, 0.2392
Android (android.graphics.Color)	4288974031 (0xFFA48CCF)
YUV	154.8140, 25.7277, 8.0561
Hunter-Lab	55.8155, 17.2813, -28.0006

Details

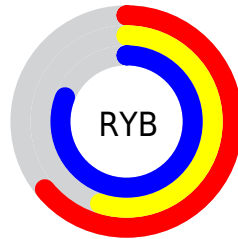
The Yxy color **31.1537, 0.2760, 0.2392** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.5816, 0.3414, 0.4147**, and the grayscale version is **32.5786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0192, 0.2898, 0.2645**, and **12.9588, 0.2637, 0.2152** is the 20% darker color. If you saturate the color by 10%, you get **24.3230, 0.2615, 0.2078**, and if you desaturate by 10%, it is **39.2724, 0.2891, 0.2694**.

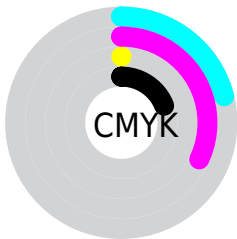
Distribution



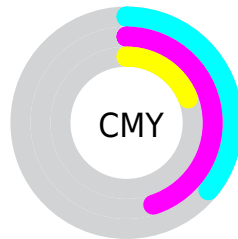
- Red (64%)
- Green (55%)
- Blue (81%)



- Red (64%)
- Yellow (55%)
- Blue (81%)



- Cyan (21%)
- Magenta (32%)
- Yellow (0%)
- Black (19%)





- Cyan (36%)
- Magenta (45%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1537, 0.2760, 0.2392 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 31.1537, 0.2760, 0.2392 by changing the saturation by 10% instead.


 31.1537, 0.2760,
0.2392


 31.1537, 0.2760,
0.2392


307.2458, 0.2960,
0.2841


 20.7159, 0.2705,
0.2282


 61.4820, 0.2836,
0.2554

 12.9165, 0.2633,
0.2142


 82.1413, 0.2864,
0.2615

 7.3711, 0.2532,
0.1959


 106.9765, 0.2887,
0.2667

 3.6952, 0.2385,
0.1712

136.3721, 0.2906,
0.2712

 1.5046, 0.2155,
0.1369

170.7124, 0.2923,
0.2750

 0.2920, 0.1812,
0.0638

210.3819, 0.2937,

 0.0000, 0.0000,

0.2784

0.0000

255.7649, 0.2949,
0.2814

■ 31.1537, 0.2760,
0.2392

■ 31.1537, 0.2760,
0.2392

■ 24.3230, 0.2615,
0.2078

■ 39.2724, 0.2891,
0.2694

■ 18.7080, 0.2459,
0.1764

■ 48.7386, 0.3006,
0.2975

■ 14.2351, 0.2297,
0.1465

■ 59.6126, 0.3106,
0.3233

■ 10.8205, 0.2137,
0.1200

■ 71.9499, 0.3191,
0.3465

■ 8.3689, 0.1987,
0.0984

■ 85.8028, 0.3263,
0.3673

■ 6.7660, 0.1857,
0.0831

■ 95.2077, 0.3337,
0.3772

■ 5.9639, 0.1773,
0.0750

■ 97.2843, 0.3412,
0.3761

Harmonies

Analogous

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



31.1537, 0.2299, 0.2335



31.1537, 0.2760, 0.2392



31.1537, 0.3372, 0.2638

Triad

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



31.1537, 0.2760, 0.2392



31.1537, 0.4302, 0.3951



31.1537, 0.2326, 0.3507

Complementary

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



31.1537, 0.2760, 0.2392



56.5816, 0.3414, 0.4147

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.



31.1537, 0.2807, 0.4104



31.1537, 0.2760, 0.2392



31.1537, 0.3955, 0.4312

Square

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



31.1537, 0.2760, 0.2392



31.1537, 0.4317, 0.3488



31.1537, 0.3404, 0.4407



31.1537, 0.2067, 0.2906

Rectangle

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



31.1537, 0.2760, 0.2392



31.1537, 0.3784, 0.2884



31.1537, 0.3404, 0.4407



31.1537, 0.2465, 0.3722

Sweetspot

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



31.1550, 0.2760, 0.2392



81.8218, 0.3030, 0.3035



44.1731, 0.2630, 0.2969



17.0069, 0.3015, 0.2997



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.



31.1550, 0.2760, 0.2392



41.9420, 0.2658, 0.2170



35.1261, 0.3068, 0.2469



11.6206, 0.3037, 0.3054



3.8067, 0.1786, 0.0758



0.2570, 0.1996, 0.0873

Inverse Universe

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



35.4424, 0.3399, 0.2759



50.0218, 0.3479, 0.2641



53.0024, 0.3156, 0.4220



11.9342, 0.3192, 0.3142



9.4417, 0.4361, 0.2176



0.5428, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 31.1537, 0.2760, 0.2392 looks on a white background.

Color Contrast Check

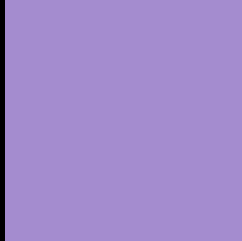
Large Text (above 18pt) WCAG AA × Fail

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 31.1537, 0.2760, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

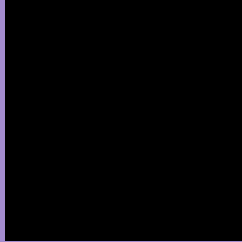
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1537, 0.2760, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 31.1537, 0.2760, 0.2392.



This preview shows how white text looks on a background with the Yxy color 31.1537, 0.2760, 0.2392.

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

31.1537, 0.2760, 0.2392

Protanopia

31.1752, 0.2455, 0.2373

Deuteranopia

31.1369, 0.2551, 0.2488



Tritanopia

31.1360, 0.3085, 0.3110

Trichromacy



Original Color

31.1537, 0.2760, 0.2392

Protanomaly

31.1006, 0.2560, 0.2386

Deuteranomaly

31.1250, 0.2619, 0.2450

Tritanomaly

31.1430, 0.2960, 0.2827

Monochromacy



Original Color

31.1537, 0.2760, 0.2392

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1378, 0.2987, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1537, 0.2760, 0.2392 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(164, 140, 207)` looks like.

```
.text, #text, p{  
    color:rgb(164, 140, 207)  
}
```

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(164, 140, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 140, 207) }
```

Border

The CSS property to change the border of an element to Yxy 31.1537, 0.2760, 0.2392 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(164, 140, 207) }
```

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

```
.border{ border-color:rgb(164, 140, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 140, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 140, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 140, 207); box-shadow:4px 4px 4px 4px rgb(164, 140, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1537, 0.2760, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 140, 207) }
```

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

```
.background{ background-color: rgb(164,  
140, 207) }
```

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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