

Converting Colors

$Y_{xy}(31.0502, 0.2526, 0.1817)$

Have a look what the booklet for
Yxy(31.0502, 0.2526, 0.1817)
contains.

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Color

Yxy(31.1062, 0.2527, 0.1820)

Conversions

Conversions Part 1

Format	Color
Hex	B17DFD
RGB	177, 125, 253
RGB Percent	69%, 49%, 99%
CMY	0.3058, 0.5098, 0.0080
CMYK	0.30, 0.51, 0.00, 0.01
HSL	264°, 97%, 74%
HSV	264°, 51%, 99%
XYZ	43.1898, 31.1062, 96.6172
YIQ	155.1400, -10.0960, 50.8320

Conversions

Conversions Part 2

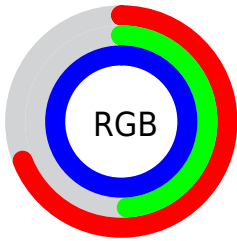
Format	Color
R _{YB}	177, 125, 253
Decimal	11632125
CIE Lab	62.60, 45.62, -56.68
CIE LCh	63, 72.756, 308.831
Yxy	31.1062, 0.2527, 0.1820
Android (android.graphics.Color)	4289822205 (0xFFB17DFD)
YUV	155.1400, 48.2450, 19.1712
Hunter-Lab	55.7729, 40.6252, -63.6689

Details

The Yxy color **31.1062, 0.2527, 0.1820** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **84.1139, 0.3507, 0.4690**, and the grayscale version is **32.6313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1224, 0.3007, 0.2510**, and **12.8762, 0.2326, 0.1485** is the 20% darker color. If you saturate the color by 10%, you get **23.8298, 0.2374, 0.1523**, and if you desaturate by 10%, it is **40.2094, 0.2673, 0.2132**.

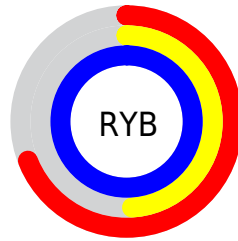
Distribution



Red (69%)

Green (49%)

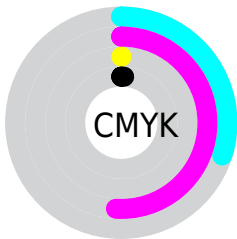
Blue (99%)



Red (69%)

Yellow (49%)

Blue (99%)

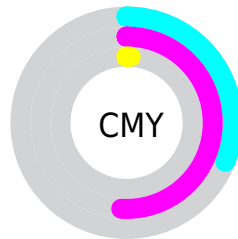


Cyan (30%)

Magenta (51%)

Yellow (0%)

Black (1%)



Cyan (31%)


Magenta (51%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1062, 0.2527, 0.1820 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 31.1062, 0.2527, 0.1820 by changing the saturation by 10% instead.


 31.1062, 0.2527,
0.1820


 31.1062, 0.2527,
0.1820


307.0273, 0.2853,
0.2501


 20.6797, 0.2442,
0.1671

 61.4072, 0.2649,
0.2053

 12.8901, 0.2333,
0.1491


 82.0506, 0.2694,
0.2144

 7.3529, 0.2188,
0.1274


 106.8684, 0.2732,
0.2224

 3.6838, 0.1990,
0.1012

136.2449, 0.2763,
0.2293

 1.4983, 0.1714,
0.0701

170.5647, 0.2791,
0.2355

 0.2875, 0.1338,
0.0254

210.2121, 0.2814,


 0.0000, 0.0630,


0.2409


0.0000

255.5715, 0.2835,
0.2457


 0.0000, 0.0000,
0.0000

 31.1062, 0.2527,
0.1820


 31.1062, 0.2527,
0.1820


 23.8298, 0.2374,
0.1523


 40.2094, 0.2673,
0.2132


 18.2440, 0.2220,
0.1257


 51.2550, 0.2807,
0.2443


 14.1987, 0.2073,
0.1039

 64.3529, 0.2927,
0.2741

 11.5136, 0.1942,
0.0881

 79.6033, 0.3032,
0.3020

 9.9609, 0.1836,
0.0785

 97.1003, 0.3122,
0.3276

99.8689, 0.3139,
0.3309

Harmonies

Analogous

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



31.1062, 0.1760, 0.1680



31.1062, 0.2527, 0.1820



31.1062, 0.3655, 0.2224

Triad

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



31.1062, 0.2527, 0.1820



31.1062, 0.5115, 0.4302



31.1062, 0.1633, 0.3514

Complementary

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



31.1062, 0.2527, 0.1820



84.1139, 0.3507, 0.4690

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.



31.1062, 0.2364, 0.4863



31.1062, 0.2527, 0.1820



31.1062, 0.4358, 0.5071

Square

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



31.1062, 0.2527, 0.1820



31.1062, 0.5343, 0.3534



31.1062, 0.3365, 0.5464



31.1062, 0.1323, 0.2410

Rectangle

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



31.1062, 0.2527, 0.1820



31.1062, 0.4450, 0.2612



31.1062, 0.3365, 0.5464



31.1062, 0.1831, 0.3978

Sweetspot

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



31.1074, 0.2527, 0.1820



73.9222, 0.2988, 0.2899



53.5863, 0.2344, 0.2658



15.1263, 0.2965, 0.2840



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.



31.1074, 0.2527, 0.1820



23.9807, 0.2367, 0.1510



40.3124, 0.3071, 0.2028



17.7381, 0.3043, 0.3049



5.3808, 0.1853, 0.0794



0.5857, 0.1978, 0.0863

Inverse Universe

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



39.7592, 0.3695, 0.2517



34.0653, 0.3871, 0.2387



77.0892, 0.3117, 0.4878



18.1681, 0.3201, 0.3150



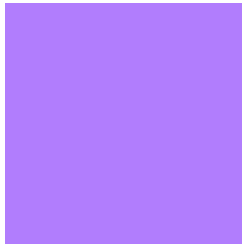
12.3129, 0.4571, 0.2292



1.2205, 0.4372, 0.2182

Previews

White Background



This preview shows how the Yxy color 31.1062, 0.2527, 0.1820 looks on a white background.

Color Contrast Check

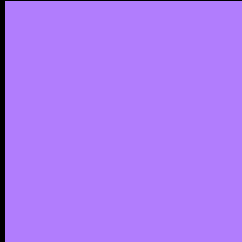
Large Text (above 18pt) WCAG AA × Fail

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 31.1062, 0.2527, 0.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

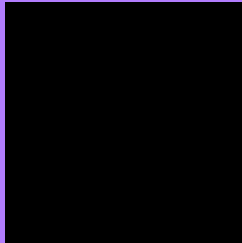
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1062, 0.2527, 0.1820

Background



This preview shows how black text looks on a background with the Yxy color 31.1062, 0.2527, 0.1820.



This preview shows how white text looks on a background with the Yxy color 31.1062, 0.2527, 0.1820.

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

31.1062, 0.2527, 0.1820

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.4472, 0.2076, 0.2013



Tritanopia

31.0539, 0.3135, 0.3126

Trichromacy



Original Color

31.1062, 0.2527, 0.1820



Protanomaly

30.7372, 0.2218, 0.1861



Deuteranomaly

30.3965, 0.2198, 0.1912



Tritanomaly

30.7134, 0.2894, 0.2560

Monochromacy



Original Color

31.1062, 0.2527, 0.1820



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.4946, 0.2885, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1062, 0.2527, 0.1820 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(177, 125, 253)` looks like.

```
.text, #text, p{  
    color:rgb(177, 125, 253)  
}
```

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(177, 125, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 125, 253) }
```

Border

The CSS property to change the border of an element to Yxy 31.1062, 0.2527, 0.1820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

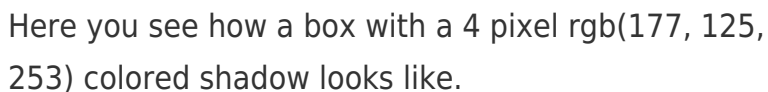
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 125, 253) }
```

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

```
.border{ border-color:rgb(177, 125, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 125, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 125, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 125, 253); box-shadow:4px 4px 4px 4px rgb(177, 125, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1062, 0.2527, 0.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 125, 253) }
```

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

```
.background{ background-color: rgb(177,  
125, 253) }
```

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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