

Converting Colors

$Y_{xy}(30.2043, 0.2552, 0.1788)$

Have a look what the booklet for
Yxy(30.2043, 0.2552, 0.1788)
contains.

Yxy(30.1645, 0.2552, 0.1786)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1645, 0.2552, 0.1786)

Conversions

Conversions Part 1

Format	Color
Hex	B478FC
RGB	180, 120, 252
RGB Percent	71%, 47%, 99%
CMY	0.2942, 0.5293, 0.0118
CMYK	0.29, 0.52, 0.00, 0.01
HSL	267°, 96%, 73%
HSV	267°, 52%, 99%
XYZ	43.1018, 30.1645, 95.6279
YIQ	152.9880, -6.6120, 53.7720

Conversions

Conversions Part 2

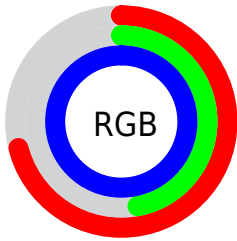
Format	Color
R_{YB}	180, 120, 252
Decimal	11827452
CIE _{Lab}	61.80, 48.81, -57.40
CIE _{LCh}	62, 75.348, 310.378
Yxy	30.1645, 0.2552, 0.1786
Android (android.graphics.Color)	4290017532 (0xFFB478FC)
YUV	152.9880, 48.8129, 23.6895
Hunter-Lab	54.9222, 43.9691, -64.7873

Details

The Yxy color **30.1645, 0.2552, 0.1786** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.1741, 0.3473, 0.4761**, and the grayscale version is **31.6370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8428, 0.3038, 0.2467**, and **12.4073, 0.2356, 0.1451** is the 20% darker color. If you saturate the color by 10%, you get **23.3112, 0.2409, 0.1501**, and if you desaturate by 10%, it is **38.7782, 0.2689, 0.2089**.

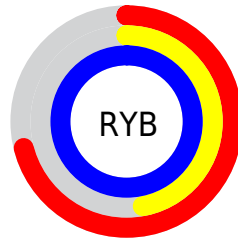
Distribution



Red (71%)

Green (47%)

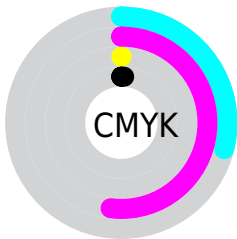
Blue (99%)



Red (71%)

Yellow (47%)

Blue (99%)

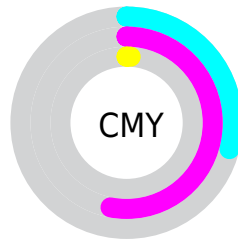


Cyan (29%)

Magenta (52%)

Yellow (0%)

Black (1%)



Cyan (29%)


Magenta (53%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1645, 0.2552, 0.1786 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 30.1645, 0.2552, 0.1786 by changing the saturation by 10% instead.


 30.1645, 0.2552,
0.1786

 30.1645, 0.2552,
0.1786


302.6705, 0.2869,
0.2481


 19.9635, 0.2468,
0.1634

 59.9222, 0.2671,
0.2023

 12.3685, 0.2360,
0.1452


 80.2477, 0.2715,
0.2117

 6.9952, 0.2216,
0.1232


 104.7168, 0.2752,
0.2198

 3.4591, 0.2020,
0.0968

133.7140, 0.2782,
0.2269

 1.3758, 0.1742,
0.0658

167.6235, 0.2809,
0.2332

 0.1988, 0.1367,
0.0181

206.8298, 0.2832,


 0.0000, 0.0635,


0.2387


0.0000

251.7174, 0.2851,
0.2437


 0.0000, 0.0000,
0.0000

 30.1645, 0.2552,
0.1786


 30.1645, 0.2552,
0.1786


 23.3112, 0.2409,
0.1501

 38.7782, 0.2689,
0.2089


 18.0821, 0.2265,
0.1250

 49.2674, 0.2814,
0.2395


 14.3258, 0.2127,
0.1048

 61.7413, 0.2927,
0.2693

 11.8587, 0.2003,
0.0905

 76.2995, 0.3025,
0.2973

 10.6367, 0.1919,
0.0831

 93.0349, 0.3109,
0.3232

99.8069, 0.3145,
0.3319

Harmonies

Analogous

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



30.1645, 0.1742, 0.1627



30.1645, 0.2552, 0.1786



30.1645, 0.3741, 0.2213

Triad

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



30.1645, 0.2552, 0.1786



30.1645, 0.5149, 0.4355



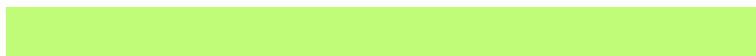
30.1645, 0.1547, 0.3444

Complementary

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



30.1645, 0.2552, 0.1786



82.1741, 0.3473, 0.4761

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.



30.1645, 0.2275, 0.4885



30.1645, 0.2552, 0.1786



30.1645, 0.4334, 0.5162

Square

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



30.1645, 0.2552, 0.1786



30.1645, 0.5439, 0.3562



30.1645, 0.3300, 0.5566



30.1645, 0.1257, 0.2324

Rectangle

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



30.1645, 0.2552, 0.1786



30.1645, 0.4567, 0.2616



30.1645, 0.3300, 0.5566



30.1645, 0.1741, 0.3931

Sweetspot

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



30.1656, 0.2552, 0.1786



72.6938, 0.2991, 0.2873



48.9844, 0.2301, 0.2545



14.8970, 0.2970, 0.2815



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.



30.1656, 0.2552, 0.1786



23.5402, 0.2399, 0.1483



39.9465, 0.3127, 0.2012



17.0292, 0.3050, 0.3050



5.6269, 0.1936, 0.0840



0.5832, 0.2068, 0.0913

Inverse Universe

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



37.9369, 0.3795, 0.2554



32.7057, 0.4004, 0.2438



75.4471, 0.3081, 0.4957



17.3837, 0.3208, 0.3161



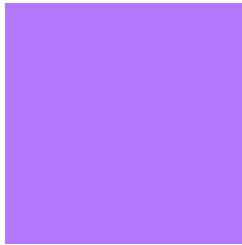
11.7591, 0.4769, 0.2401



1.1105, 0.4531, 0.2270

Previews

White Background



This preview shows how the Yxy color 30.1645, 0.2552, 0.1786 looks on a white background.

Color Contrast Check

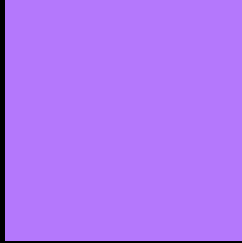
Large Text (above 18pt) WCAG AA × Fail

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 30.1645, 0.2552, 0.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

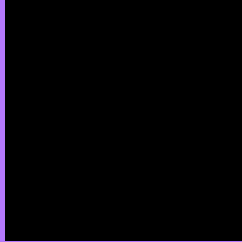
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1645, 0.2552, 0.1786

Background



This preview shows how black text looks on a background with the Yxy color 30.1645, 0.2552, 0.1786.



This preview shows how white text looks on a background with the Yxy color 30.1645, 0.2552, 0.1786.

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

30.1645, 0.2552, 0.1786

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.5412, 0.2056, 0.1989



Tritanopia

29.9945, 0.3209, 0.3126

Trichromacy



Original Color

30.1645, 0.2552, 0.1786



Protanomaly

29.7929, 0.2205, 0.1823



Deuteranomaly

29.3075, 0.2183, 0.1878



Tritanomaly

29.4807, 0.2949, 0.2533

Monochromacy



Original Color

30.1645, 0.2552, 0.1786



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.5104, 0.2901, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1645, 0.2552, 0.1786 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(180, 120, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 120, 252)  
}
```

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(180, 120, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 120, 252) }
```

Border

The CSS property to change the border of an element to Yxy 30.1645, 0.2552, 0.1786 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(180, 120, 252) }
```

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

```
.border{ border-color:rgb(180, 120, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 120, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 120, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 120, 252);  
box-shadow:4px 4px 4px 4px rgb(180, 120,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1645, 0.2552, 0.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 120, 252) }
```

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

```
.background{ background-color: rgb(180,  
120, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor