

Converting Colors

$Y_{xy}(20.3546, 0.2786, 0.1623)$

Have a look what the booklet for
Yxy(20.3546, 0.2786, 0.1623)
contains.

Yxy(20.2813, 0.2787, 0.1624)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2813, 0.2787, 0.1624)

Conversions

Conversions Part 1

Format	Color
Hex	B64CDC
RGB	182, 76, 220
RGB Percent	71%, 30%, 86%
CMY	0.2860, 0.7022, 0.1372
CMYK	0.17, 0.65, 0.00, 0.14
HSL	284°, 67%, 58%
HSV	284°, 65%, 86%
XYZ	34.8054, 20.2813, 69.7981
YIQ	124.1100, 16.9520, 67.2560

Conversions

Conversions Part 2

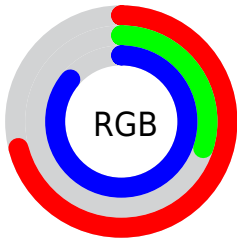
Format	Color
R _{YB}	182, 76, 220
Decimal	11947228
CIE Lab	52.15, 63.95, -54.94
CIE LCh	52, 84.310, 319.333
Yxy	20.2813, 0.2787, 0.1624
Android (android.graphics.Color)	4290137308 (0xFFB64CDC)
YUV	124.1100, 47.2738, 50.7695
Hunter-Lab	45.0348, 59.1440, -60.3676

Details

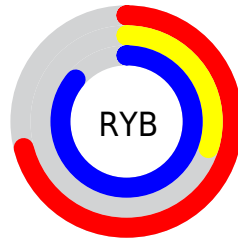
The Yxy color **20.2813, 0.2787, 0.1624** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **55.2844, 0.3227, 0.5274**, and the grayscale version is **20.0259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4233, 0.3060, 0.2075**, and **7.1489, 0.2620, 0.1231** is the 20% darker color. If you saturate the color by 10%, you get **17.0623, 0.2716, 0.1439**, and if you desaturate by 10%, it is **24.5670, 0.2856, 0.1847**.

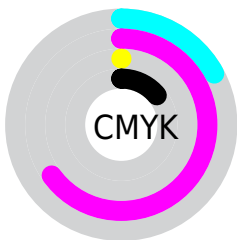
Distribution



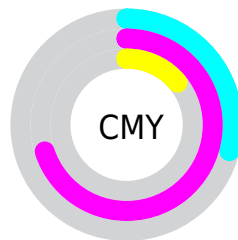
- Red (71%)
- Green (30%)
- Blue (86%)



- Red (71%)
- Yellow (30%)
- Blue (86%)



- Cyan (17%)
- Magenta (65%)
- Yellow (0%)
- Black (14%)





- Cyan (29%)
- Magenta (70%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2813, 0.2787, 0.1624 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 20.2813, 0.2787, 0.1624 by changing the saturation by 10% instead.


 20.2813, 0.2787,
0.1624


 20.2813, 0.2787,
0.1624

253.4339, 0.3010,
0.2420


 12.5997, 0.2717,
0.1446


 43.8883, 0.2880,
0.1900

 7.1535, 0.2619,
0.1231


 60.5825, 0.2911,
0.2008


 3.5583, 0.2478,
0.0973


 81.0496, 0.2936,
0.2101

 1.4297, 0.2266,
0.0670

 105.6742, 0.2957,
0.2181

 0.2384, 0.1960,
0.0214

 134.8405, 0.2974,
0.2252

 0.0000, 0.1413,
0.0000

168.9329, 0.2988,

 0.0000, 0.0000,

0.2315

0.0000

208.3359, 0.3000,
0.2370

■ 20.2813, 0.2787,
0.1624

■ 20.2813, 0.2787,
0.1624

■ 17.0623, 0.2716,
0.1439

■ 24.5670, 0.2856,
0.1847

■ 14.7964, 0.2644,
0.1299

■ 30.0124, 0.2920,
0.2097

■ 13.3480, 0.2574,
0.1207

■ 36.7032, 0.2978,
0.2363

■ 12.8547, 0.2544,
0.1175

■ 44.7160, 0.3029,
0.2634

■ 54.1214, 0.3073,
0.2900

64.9847, 0.3110,
0.3156

77.3671, 0.3140,
0.3397

91.3265, 0.3165,
0.3620

94.2182, 0.3199,
0.3646

Harmonies

Analogous

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



20.2813, 0.1690, 0.1354



20.2813, 0.2787, 0.1624



20.2813, 0.4368, 0.2181

Triad

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



20.2813, 0.2787, 0.1624



20.2813, 0.5201, 0.4685



20.2813, 0.1074, 0.2914

Complementary

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



20.2813, 0.2787, 0.1624



55.2844, 0.3227, 0.5274

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.



20.2813, 0.1706, 0.4850



20.2813, 0.2787, 0.1624



20.2813, 0.4048, 0.5746

Square

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



20.2813, 0.2787, 0.1624



20.2813, 0.5904, 0.3714



20.2813, 0.2810, 0.6175



20.2813, 0.0925, 0.1812

Rectangle

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



20.2813, 0.2787, 0.1624



20.2813, 0.5342, 0.2660



20.2813, 0.2810, 0.6175



20.2813, 0.1222, 0.3490

Sweetspot

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



20.2821, 0.2787, 0.1624



69.2060, 0.3053, 0.2776



18.8196, 0.1978, 0.1696



14.0294, 0.3041, 0.2700



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.



20.2821, 0.2787, 0.1624



22.3634, 0.2686, 0.1375



23.9414, 0.3594, 0.2099



13.0933, 0.3096, 0.3057



7.6001, 0.2554, 0.1181



0.5333, 0.2665, 0.1242

Inverse Universe

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



21.5919, 0.4689, 0.2882



24.9102, 0.5233, 0.2886



53.8432, 0.2889, 0.4959



13.1076, 0.3250, 0.3229



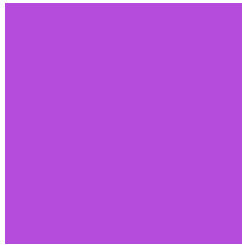
9.1247, 0.5876, 0.3011



0.6053, 0.5407, 0.2752

Previews

White Background



This preview shows how the Yxy color 20.2813, 0.2787, 0.1624 looks on a white background.

Color Contrast Check

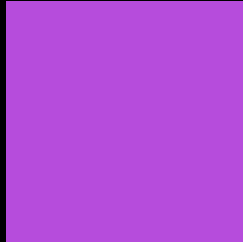
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2813, 0.2787, 0.1624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

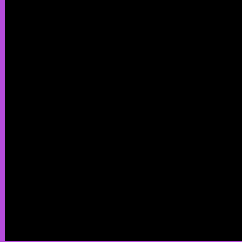
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2813, 0.2787, 0.1624

Background



This preview shows how black text looks on a background with the Yxy color 20.2813, 0.2787, 0.1624.

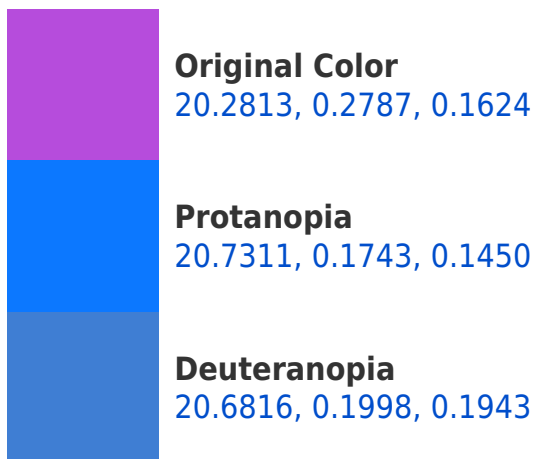


This preview shows how white text looks on a background with the Yxy color 20.2813, 0.2787, 0.1624.

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





Tritanopia

20.2016, 0.3833, 0.3167

Trichromacy



Original Color

20.2813, 0.2787, 0.1624



Protanomaly

17.7673, 0.1863, 0.1391



Deuteranomaly

18.6443, 0.2169, 0.1725



Tritanomaly

19.4695, 0.3404, 0.2452

Monochromacy



Original Color

20.2813, 0.2787, 0.1624



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0383, 0.2993, 0.2457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2813, 0.2787, 0.1624 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(182, 76, 220)` looks like.

```
.text, #text, p{  
    color:rgb(182, 76, 220)  
}
```

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(182, 76, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 76, 220) }
```

Border

The CSS property to change the border of an element to Yxy 20.2813, 0.2787, 0.1624 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(182, 76, 220) }
```

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

```
.border{ border-color:rgb(182, 76, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 76, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 76, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 76, 220); box-shadow:4px 4px 4px 4px rgb(182, 76, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2813, 0.2787, 0.1624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 76, 220) }
```

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

```
.background{ background-color: rgb(182, 76,  
220) }
```

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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