

Converting Colors

$Y_{xy}(24.6623, 0.2501, 0.1517)$

Have a look what the booklet for
Yxy(24.6623, 0.2501, 0.1517)
contains.

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Color

Yxy(24.7520, 0.2506, 0.1521)

Conversions

Conversions Part 1

Format	Color
Hex	B45DFF
RGB	180, 93, 255
RGB Percent	71%, 36%, 100%
CMY	0.2941, 0.6352, 0.0002
CMYK	0.29, 0.64, 0.00, 0.00
HSL	272°, 100%, 68%
HSV	272°, 64%, 100%
XYZ	40.7814, 24.7520, 97.2016
YIQ	137.4810, -0.1500, 68.8260

Conversions

Conversions Part 2

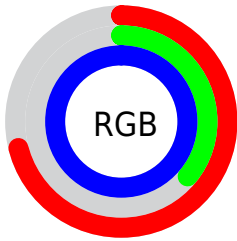
Format	Color
R _Y B	180, 93, 255
Decimal	11820543
CIE Lab	56.83, 63.18, -67.00
CIE LCh	57, 92.094, 313.320
Yxy	24.7520, 0.2506, 0.1521
Android (android.graphics.Color)	4290010623 (0xFFB45DFF)
YUV	137.4810, 57.9369, 37.2892
Hunter-Lab	49.7514, 59.2522, -81.0117

Details

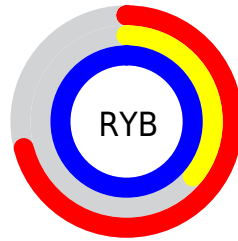
The Yxy color **24.7520, 0.2506, 0.1521** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80.6072, 0.3419, 0.5116**, and the grayscale version is **24.9868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9251, 0.3049, 0.2216**, and **9.4919, 0.2291, 0.1159** is the 20% darker color. If you saturate the color by 10%, you get **19.6411, 0.2381, 0.1289**, and if you desaturate by 10%, it is **31.4766, 0.2630, 0.1789**.

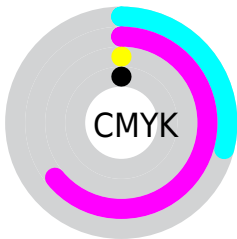
Distribution



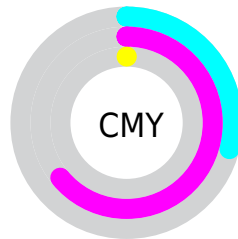
- Red (71%)
- Green (36%)
- Blue (100%)



- Red (71%)
- Yellow (36%)
- Blue (100%)



- Cyan (29%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7520, 0.2506, 0.1521 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 24.7520, 0.2506, 0.1521 by changing the saturation by 10% instead.


 24.7520, 0.2506,
0.1521


 24.7520, 0.2506,
0.1521


276.6006, 0.2863,
0.2325


 15.8924, 0.2410,
0.1352


 51.2546, 0.2642,
0.1791

 9.4480, 0.2284,
0.1153


 69.6664, 0.2692,
0.1899

 5.0346, 0.2118,
0.0921


 92.0310, 0.2733,
0.1993

 2.2676, 0.1891,
0.0657

 118.7329, 0.2767,
0.2076

 0.7565, 0.1577,
0.0372

150.1564, 0.2797,
0.2149

 0.0000, 0.1161,
0.0000

186.6859, 0.2822,


 0.0000, 0.0301,


0.2215


0.0000


228.7059, 0.2844,
0.2273


 0.0000, 0.0000,
0.0000


 24.7520, 0.2506,
0.1521


 24.7520, 0.2506,
0.1521


 19.6411, 0.2381,
0.1289


 31.4766, 0.2630,
0.1789


 15.9831, 0.2259,
0.1105


 39.9486, 0.2747,
0.2078

 13.5873, 0.2146,
0.0977

 50.2906, 0.2854,
0.2374

 12.5314, 0.2079,
0.0919

 62.6131, 0.2950,
0.2665

 77.0178, 0.3033,
0.2944

 93.5992, 0.3105,
0.3204

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



24.7520, 0.1515, 0.1310



24.7520, 0.2506, 0.1521



24.7520, 0.4053, 0.2029

Triad

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



24.7520, 0.2506, 0.1521



24.7520, 0.5410, 0.4466



24.7520, 0.1124, 0.3240

Complementary

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



24.7520, 0.2506, 0.1521



80.6072, 0.3419, 0.5116

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.



24.7520, 0.1870, 0.5294



24.7520, 0.2506, 0.1521



24.7520, 0.4294, 0.5574

Square

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



24.7520, 0.2506, 0.1521



24.7520, 0.5997, 0.3531



24.7520, 0.3037, 0.6270



24.7520, 0.0896, 0.1938

Rectangle

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



24.7520, 0.2506, 0.1521



24.7520, 0.5122, 0.2494



24.7520, 0.3037, 0.6270



24.7520, 0.1308, 0.3892

Sweetspot

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



24.7529, 0.2506, 0.1521



68.8800, 0.2989, 0.2793



37.7694, 0.2103, 0.2166



13.8860, 0.2965, 0.2712



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.



24.7529, 0.2506, 0.1521



18.6101, 0.2350, 0.1239



35.9589, 0.3246, 0.1873



17.8582, 0.3063, 0.3050



6.6401, 0.2095, 0.0928



0.7115, 0.2214, 0.0993

Inverse Universe

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



31.9105, 0.4191, 0.2562



26.8501, 0.4524, 0.2504



74.7122, 0.3012, 0.5297



18.1270, 0.3221, 0.3180



11.8221, 0.5122, 0.2595



1.1729, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 24.7520, 0.2506, 0.1521 looks on a white background.

Color Contrast Check

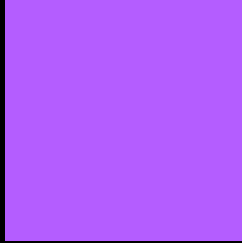
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7520, 0.2506, 0.1521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

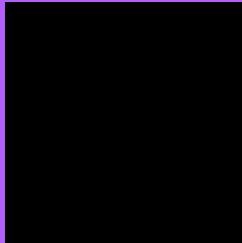
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7520, 0.2506, 0.1521

Background



This preview shows how black text looks on a background with the Yxy color 24.7520, 0.2506, 0.1521.



This preview shows how white text looks on a background with the Yxy color 24.7520, 0.2506, 0.1521.

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

24.7520, 0.2506, 0.1521

Protanopia

24.9877, 0.1896, 0.1648

Deuteranopia

25.2206, 0.1836, 0.1777



Tritanopia

24.6442, 0.3383, 0.3133

Trichromacy



Original Color

24.7520, 0.2506, 0.1521



Protanomaly

23.4281, 0.2032, 0.1544



Deuteranomaly

22.2545, 0.1902, 0.1570



Tritanomaly

23.8132, 0.3013, 0.2359

Monochromacy



Original Color

24.7520, 0.2506, 0.1521



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.7423, 0.2872, 0.2417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7520, 0.2506, 0.1521 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, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 93, 255)  
}
```

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, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 93, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.7520, 0.2506, 0.1521 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, 93, 255) }
```

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

```
.border{ border-color:rgb(180, 93, 255) }
```

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

Here you see how a box with a 4 pixel rgb(180, 93, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 93,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7520, 0.2506, 0.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 93, 255) }
```

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

```
.background{ background-color: rgb(180, 93,  
255) }
```

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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