

Converting Colors

$Y_{xy}(25.7407, 0.2795, 0.1998)$

Have a look what the booklet for
Yxy(25.7407, 0.2795, 0.1998)
contains.

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Color

Yxy(25.7247, 0.2787, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	B070D7
RGB	176, 112, 215
RGB Percent	69%, 44%, 84%
CMY	0.3097, 0.5609, 0.1568
CMYK	0.18, 0.48, 0.00, 0.16
HSL	277°, 56%, 64%
HSV	277°, 48%, 84%
XYZ	35.9733, 25.7247, 67.3773
YIQ	142.8780, 5.0810, 45.6010

Conversions

Conversions Part 2

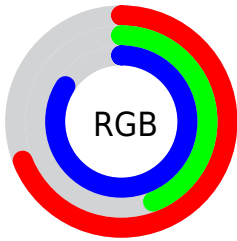
Format	Color
RYB	176, 112, 215
Decimal	11563223
CIELab	57.77, 43.68, -43.23
CIELCh	58, 61.457, 315.294
Yxy	25.7247, 0.2787, 0.1993
Android (android.graphics.Color)	4289753303 (0xFFB070D7)
YUV	142.8780, 35.5561, 29.0480
Hunter-Lab	50.7195, 37.8436, -43.2589

Details

The Yxy color **25.7247, 0.2787, 0.1993** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.3602, 0.3320, 0.4679**, and the grayscale version is **27.2714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4539, 0.2991, 0.2364**, and **9.9405, 0.2642, 0.1652** is the 20% darker color. If you saturate the color by 10%, you get **20.6146, 0.2690, 0.1728**, and if you desaturate by 10%, it is **32.0265, 0.2876, 0.2273**.

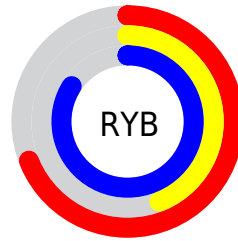
Distribution



Red (69%)

Green (44%)

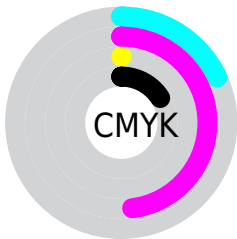
Blue (84%)



Red (69%)

Yellow (44%)

Blue (84%)

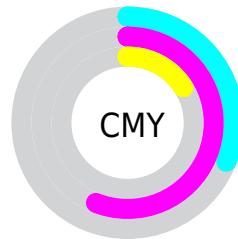


Cyan (18%)

Magenta (48%)

Yellow (0%)

Black (16%)



Cyan (31%)

Magenta (56%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7247, 0.2787, 0.1993 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 25.7247, 0.2787, 0.1993 by changing the saturation by 10% instead.


 25.7247, 0.2787,
0.1993


 25.7247, 0.2787,
0.1993


281.4280, 0.2989,
0.2626


 16.6178, 0.2728,
0.1844


 52.8305, 0.2867,
0.2217

 9.9624, 0.2647,
0.1659


 71.5982, 0.2895,
0.2304

 5.3740, 0.2532,
0.1426


 94.3549, 0.2918,
0.2377

 2.4683, 0.2360,
0.1130

 121.4850, 0.2937,
0.2441

 0.8607, 0.2089,
0.0757

153.3730, 0.2953,
0.2496

 0.0000, 0.1691,
0.0000

190.4033, 0.2967,

 0.0000, 0.0000,

0.2545

0.0000

232.9601, 0.2979,
0.2588

■ 25.7247, 0.2787,
0.1993

■ 25.7247, 0.2787,
0.1993

■ 20.6146, 0.2690,
0.1728

■ 32.0265, 0.2876,
0.2273

■ 16.6102, 0.2588,
0.1490

■ 39.5917, 0.2956,
0.2555

■ 13.6185, 0.2485,
0.1293


■ 48.4900, 0.3026,
0.2831


■ 11.5291, 0.2385,
0.1143

■ 58.7849, 0.3086,
0.3094


■ 10.1855, 0.2291,
0.1043


■ 70.5357, 0.3137,
0.3339

 9.9492, 0.2272,
0.1025

 83.7985, 0.3179,
0.3565

 93.7492, 0.3220,
0.3698

 95.1501, 0.3273,
0.3692

 96.6149, 0.3326,
0.3685

Harmonies

Analogous

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



25.7247, 0.1994, 0.1807



25.7247, 0.2787, 0.1993



25.7247, 0.3848, 0.2421

Triad

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



25.7247, 0.2787, 0.1993



25.7247, 0.4851, 0.4421



25.7247, 0.1666, 0.3255

Complementary

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



25.7247, 0.2787, 0.1993



56.3602, 0.3320, 0.4679

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.



25.7247, 0.2274, 0.4452



25.7247, 0.2787, 0.1993



25.7247, 0.4107, 0.5055

Square

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



25.7247, 0.2787, 0.1993



25.7247, 0.5157, 0.3702



25.7247, 0.3172, 0.5199



25.7247, 0.1442, 0.2351

Rectangle

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



25.7247, 0.2787, 0.1993



25.7247, 0.4525, 0.2808



25.7247, 0.3172, 0.5199



25.7247, 0.1826, 0.3647

Sweetspot

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



25.7257, 0.2787, 0.1993



76.8274, 0.3050, 0.2933



30.6390, 0.2326, 0.2368



15.7606, 0.3037, 0.2875



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.



25.7257, 0.2787, 0.1993



29.9042, 0.2684, 0.1712



30.3466, 0.3305, 0.2249



12.3871, 0.3078, 0.3056



6.0116, 0.2285, 0.1032



0.4093, 0.2444, 0.1120

Inverse Universe

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



28.2679, 0.3928, 0.2818



34.4427, 0.4213, 0.2732



53.5133, 0.2992, 0.4625



12.4978, 0.3232, 0.3202



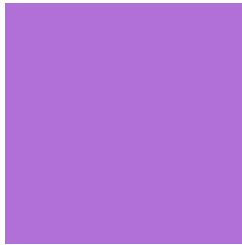
9.0186, 0.5452, 0.2777



0.5598, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 25.7247, 0.2787, 0.1993 looks on a white background.

Color Contrast Check

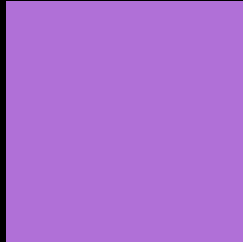
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7247, 0.2787, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

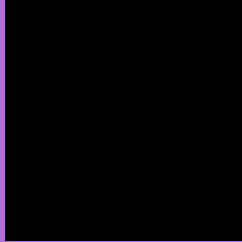
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7247, 0.2787, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 25.7247, 0.2787, 0.1993.

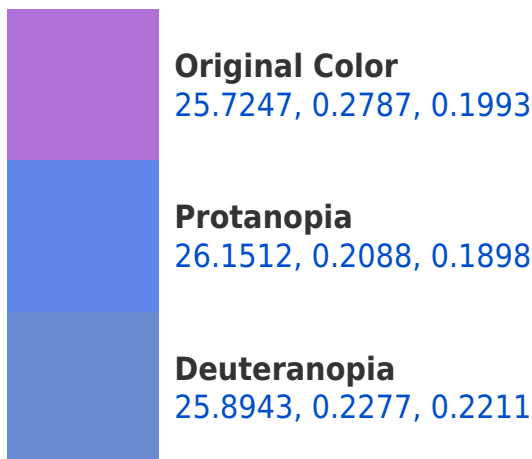


This preview shows how white text looks on a background with the Yxy color 25.7247, 0.2787, 0.1993.

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

25.7512, 0.3414, 0.3137

Trichromacy



Original Color

25.7247, 0.2787, 0.1993



Protanomaly

25.1402, 0.2279, 0.1907



Deuteranomaly

25.2793, 0.2424, 0.2106



Tritanomaly

25.2808, 0.3168, 0.2652

Monochromacy



Original Color

25.7247, 0.2787, 0.1993



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.3357, 0.3002, 0.2733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7247, 0.2787, 0.1993 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(176, 112, 215)` looks like.

```
.text, #text, p{  
    color:rgb(176, 112, 215)  
}
```

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(176, 112, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 112, 215) }
```

Border

The CSS property to change the border of an element to Yxy 25.7247, 0.2787, 0.1993 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(176, 112, 215) }
```

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

```
.border{ border-color:rgb(176, 112, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 112, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 112, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 112, 215);  
box-shadow:4px 4px 4px 4px rgb(176, 112,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7247, 0.2787, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 112, 215) }
```

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

```
.background{ background-color: rgb(176,  
112, 215) }
```

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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