

Converting Colors

$Y_{xy}(22.9754, 0.2996, 0.2005)$

Have a look what the booklet for
Yxy(22.9754, 0.2996, 0.2005)
contains.

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Color

Yxy(22.9728, 0.2996, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	B762C8
RGB	183, 98, 200
RGB Percent	72%, 38%, 78%
CMY	0.2822, 0.6158, 0.2156
CMYK	0.08, 0.51, 0.00, 0.22
HSL	290°, 48%, 58%
HSV	290°, 51%, 78%
XYZ	34.3274, 22.9728, 57.2773
YIQ	135.0430, 17.9180, 49.7420

Conversions

Conversions Part 2

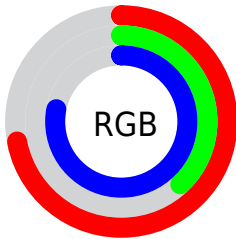
Format	Color
R_{YB}	183, 98, 200
Decimal	12018376
CIE _{Lab}	55.04, 49.85, -38.96
CIE _{LCh}	55, 63.265, 321.989
Yxy	22.9728, 0.2996, 0.2005
Android (android.graphics.Color)	4290208456 (0xFFB762C8)
YUV	135.0430, 32.0238, 42.0583
Hunter-Lab	47.9299, 43.9643, -37.3019

Details

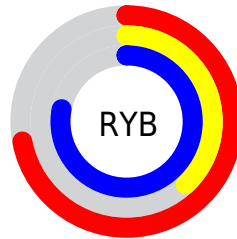
The Yxy color **22.9728, 0.2996, 0.2005** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.8398, 0.3164, 0.4846**, and the grayscale version is **24.1191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3772, 0.3057, 0.2256**, and **8.5413, 0.2911, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **19.2841, 0.2957, 0.1788**, and if you desaturate by 10%, it is **27.6081, 0.3031, 0.2247**.

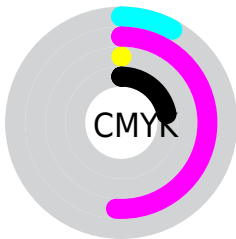
Distribution



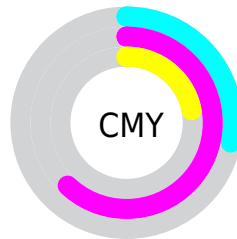
- Red (72%)
- Green (38%)
- Blue (78%)



- Red (72%)
- Yellow (38%)
- Blue (78%)



- Cyan (8%)
- Magenta (51%)
- Yellow (0%)
- Black (22%)



- Cyan (28%)
- Magenta (62%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9728, 0.2996, 0.2005 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 22.9728, 0.2996, 0.2005 by changing the saturation by 10% instead.


 22.9728, 0.2996,
0.2005


 22.9728, 0.2996,
0.2005


267.5853, 0.3092,
0.2642

 14.5734, 0.2962,
0.1852


 48.3487, 0.3038,
0.2233


 8.5206, 0.2912,
0.1660


 66.0939, 0.3052,
0.2320

 4.4298, 0.2835,
0.1416


 87.7233, 0.3063,
0.2394

 1.9168, 0.2708,
0.1102

 113.6211, 0.3071,
0.2457

 0.5584, 0.2493,
0.0659

144.1719, 0.3078,
0.2513

 0.0000, 0.2075,
0.0000

179.7599, 0.3084,

 0.0000, 0.0000,

0.2561

0.0000

220.7695, 0.3088,
0.2604

■ 22.9728, 0.2996,
0.2005

■ 22.9728, 0.2996,
0.2005

■ 19.2841, 0.2957,
0.1788

■ 27.6081, 0.3031,
0.2247

■ 16.4680, 0.2915,
0.1604

■ 33.2509, 0.3061,
0.2503

■ 14.4443, 0.2872,
0.1463

■ 39.9602, 0.3087,
0.2763

■ 13.1162, 0.2828,
0.1366

■ 47.7899, 0.3109,
0.3019

■ 12.3553, 0.2789,
0.1310

■ 56.7899, 0.3126,
0.3266

■ 67.0073, 0.3139,
0.3498

■ 78.4866, 0.3149,
0.3714

■ 89.3438, 0.3158,
0.3883

■ 89.8367, 0.3179,
0.3879

Harmonies

Analogous

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



22.9728, 0.2081, 0.1751



22.9728, 0.2996, 0.2005



22.9728, 0.4151, 0.2498

Triad

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



22.9728, 0.2996, 0.2005



22.9728, 0.4787, 0.4626



22.9728, 0.1498, 0.2983

Complementary

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



22.9728, 0.2996, 0.2005



45.8398, 0.3164, 0.4846

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.



22.9728, 0.2037, 0.4258



22.9728, 0.2996, 0.2005



22.9728, 0.3928, 0.5262

Square

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



22.9728, 0.2996, 0.2005



22.9728, 0.5259, 0.3863



22.9728, 0.2931, 0.5255



22.9728, 0.1355, 0.2144

Rectangle

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



22.9728, 0.2996, 0.2005



22.9728, 0.4820, 0.2919



22.9728, 0.2931, 0.5255



22.9728, 0.1631, 0.3377

Sweetspot

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



22.9738, 0.2996, 0.2005



76.7891, 0.3100, 0.2913



19.0255, 0.2208, 0.1945



15.8183, 0.3096, 0.2858



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.



22.9738, 0.2996, 0.2005



32.9041, 0.2954, 0.1770



23.7670, 0.3591, 0.2434



10.7238, 0.3112, 0.3060



7.8882, 0.2795, 0.1313



0.3979, 0.2887, 0.1364

Inverse Universe

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



22.2508, 0.4321, 0.3074



31.7587, 0.4744, 0.3046



45.5770, 0.2858, 0.4362



10.6653, 0.3264, 0.3252



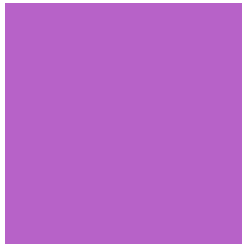
7.8876, 0.6140, 0.3156



0.3827, 0.5605, 0.2862

Previews

White Background



This preview shows how the Yxy color 22.9728, 0.2996, 0.2005 looks on a white background.

Color Contrast Check

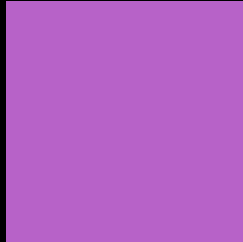
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9728, 0.2996, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

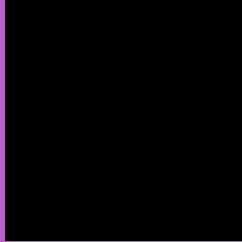
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9728, 0.2996, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 22.9728, 0.2996, 0.2005.



This preview shows how white text looks on a background with the Yxy color 22.9728, 0.2996, 0.2005.

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

22.9728, 0.2996, 0.2005

Protanopia

23.4258, 0.2062, 0.1860

Deuteranopia

23.1918, 0.2350, 0.2291



Tritanopia

22.8557, 0.3753, 0.3156

Trichromacy



Original Color

22.9728, 0.2996, 0.2005



Protanomaly

22.2298, 0.2300, 0.1873



Deuteranomaly

22.2475, 0.2543, 0.2144



Tritanomaly

22.5514, 0.3470, 0.2674

Monochromacy



Original Color

22.9728, 0.2996, 0.2005



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.0977, 0.3073, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9728, 0.2996, 0.2005 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(183, 98, 200)` looks like.

```
.text, #text, p{  
    color:rgb(183, 98, 200)  
}
```

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(183, 98, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 98, 200) }
```

Border

The CSS property to change the border of an element to Yxy 22.9728, 0.2996, 0.2005 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(183, 98, 200) }
```

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

```
.border{ border-color:rgb(183, 98, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 98, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 98, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 98, 200);  
box-shadow:4px 4px 4px 4px rgb(183, 98,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9728, 0.2996, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 98, 200) }
```

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

```
.background{ background-color: rgb(183, 98,  
200) }
```

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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