

Converting Colors

$Y_{xy}(22.8655, 0.3296, 0.1995)$

Have a look what the booklet for
Yxy(22.8655, 0.3296, 0.1995)
contains.

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Color

Yxy(22.8121, 0.3295, 0.1990)

Conversions

Conversions Part 1

Format	Color
Hex	CC52C3
RGB	204, 82, 195
RGB Percent	80%, 32%, 76%
CMY	0.2000, 0.6784, 0.2352
CMYK	0.00, 0.60, 0.04, 0.20
HSL	304°, 54%, 56%
HSV	304°, 60%, 80%
XYZ	37.7718, 22.8121, 54.0498
YIQ	131.3600, 36.4390, 61.0070

Conversions

Conversions Part 2

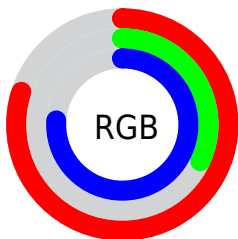
Format	Color
RYB	204, 82, 195
Decimal	13390531
CIELab	54.88, 62.09, -36.15
CIELCh	55, 71.853, 329.790
Yxy	22.8121, 0.3295, 0.1990
Android (android.graphics.Color)	4291580611 (0xFFCC52C3)
YUV	131.3600, 31.3745, 63.7053
Hunter-Lab	47.7620, 57.5802, -33.6620

Details

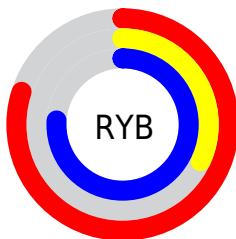
The Yxy color **22.8121, 0.3295, 0.1990** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **45.7378, 0.2996, 0.5082**, and the grayscale version is **22.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4652, 0.3205, 0.2193**, and **8.4678, 0.3309, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **20.1128, 0.3325, 0.1843**, and if you desaturate by 10%, it is **26.4285, 0.3264, 0.2172**.

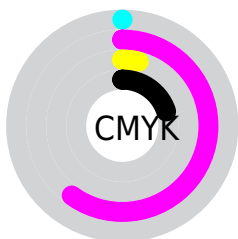
Distribution



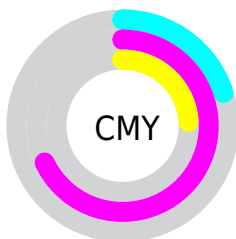
- Red (80%)
- Green (32%)
- Blue (76%)



- Red (80%)
- Yellow (32%)
- Blue (76%)



- Cyan (0%)
- Magenta (60%)
- Yellow (4%)
- Black (20%)





- Cyan (20%)
- Magenta (68%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8121, 0.3295, 0.1990 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 22.8121, 0.3295, 0.1990 by changing the saturation by 10% instead.

 22.8121, 0.3295,
0.1990


 22.8121, 0.3295,
0.1990


266.7584, 0.3234,
0.2630


 14.4548, 0.3302,
0.1837


 48.0846, 0.3279,
0.2218


 8.4377, 0.3306,
0.1646


 65.7686, 0.3271,
0.2306

 4.3763, 0.3301,
0.1404


 87.3304, 0.3263,
0.2380

 1.8862, 0.3275,
0.1093

 113.1542, 0.3256,
0.2444

 0.5401, 0.3212,
0.0649

143.6245, 0.3250,
0.2500

 0.0000, 0.3040,
0.0000

179.1257, 0.3244,

 0.0000, 0.0000,

0.2548

0.0000

220.0422, 0.3239,
0.2592

■ 22.8121, 0.3295,
0.1990

■ 22.8121, 0.3295,
0.1990

■ 20.1128, 0.3325,
0.1843

■ 26.4285, 0.3264,
0.2172

■ 18.2438, 0.3354,
0.1738

■ 31.0324, 0.3233,
0.2380

■ 17.1069, 0.3380,
0.1675

■ 36.6909, 0.3203,
0.2605

■ 16.5209, 0.3404,
0.1650

■ 43.4645, 0.3175,
0.2837

■ 16.5111, 0.3405,
0.1649

■ 51.4089, 0.3150,
0.3069

■ 60.5762, 0.3127,
0.3294

■ 71.0154, 0.3106,
0.3509

■ 82.7726, 0.3088,
0.3711

■ 88.9394, 0.3076,
0.3794

Harmonies

Analogous

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



22.8121, 0.2180, 0.1646



22.8121, 0.3295, 0.1990



22.8121, 0.4608, 0.2573

Triad

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



22.8121, 0.3295, 0.1990



22.8121, 0.4696, 0.4928



22.8121, 0.1252, 0.2612

Complementary

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



22.8121, 0.3295, 0.1990



45.7378, 0.2996, 0.5082

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.



22.8121, 0.1696, 0.3989



22.8121, 0.3295, 0.1990



22.8121, 0.3673, 0.5610

Square

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



22.8121, 0.3295, 0.1990



22.8121, 0.5406, 0.4067



22.8121, 0.2583, 0.5374



22.8121, 0.1209, 0.1857

Rectangle

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



22.8121, 0.3295, 0.1990



22.8121, 0.5261, 0.3039



22.8121, 0.2583, 0.5374



22.8121, 0.1349, 0.3007

Sweetspot

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



22.8132, 0.3295, 0.1990



73.9140, 0.3171, 0.2873



12.5743, 0.2032, 0.1408



15.0514, 0.3179, 0.2805



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.



22.8132, 0.3295, 0.1990



32.1963, 0.3335, 0.1805



20.6180, 0.4136, 0.2642



11.3889, 0.3149, 0.3078



10.3975, 0.3402, 0.1648



0.5408, 0.3360, 0.1625

Inverse Universe

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



22.8132, 0.3295, 0.1990



32.1963, 0.3335, 0.1805



47.2215, 0.2673, 0.4116



11.3889, 0.3149, 0.3078



10.3975, 0.3402, 0.1648



0.5408, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 22.8121, 0.3295, 0.1990 looks on a white background.

Color Contrast Check

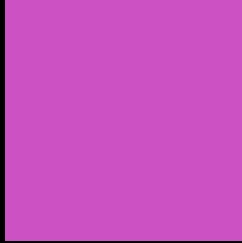
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8121, 0.3295, 0.1990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

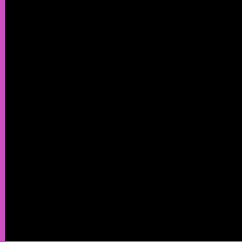
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8121, 0.3295, 0.1990

Background



This preview shows how black text looks on a background with the Yxy color 22.8121, 0.3295, 0.1990.



This preview shows how white text looks on a background with the Yxy color 22.8121, 0.3295, 0.1990.

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

22.8121, 0.3295, 0.1990

Protanopia

23.2438, 0.1990, 0.1761

Deuteranopia

22.9326, 0.2432, 0.2373



Tritanopia

22.8751, 0.4263, 0.3200

Trichromacy



Original Color

22.8121, 0.3295, 0.1990



Protanomaly

21.0250, 0.2290, 0.1761



Deuteranomaly

21.5477, 0.2691, 0.2157



Tritanomaly

22.5081, 0.3901, 0.2706

Monochromacy



Original Color

22.8121, 0.3295, 0.1990



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.4124, 0.3206, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8121, 0.3295, 0.1990 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(204, 82, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 82, 195)  
}
```

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(204, 82, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 82, 195) }
```

Border

The CSS property to change the border of an element to Yxy 22.8121, 0.3295, 0.1990 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(204, 82, 195) }
```

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

```
.border{ border-color:rgb(204, 82, 195) }
```

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

Here you see how a box with a 4 pixel rgb(204, 82, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 82, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 82, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 82,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8121, 0.3295, 0.1990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 82, 195) }
```

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

```
.background{ background-color: rgb(204, 82,  
195) }
```

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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