

Converting Colors

$Y_{xy}(20.6517, 0.3200, 0.1760)$

Have a look what the booklet for
Yxy(20.6517, 0.3200, 0.1760)
contains.

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Color

Yxy(20.6423, 0.3199, 0.1760)

Conversions

Conversions Part 1

Format	Color
Hex	CC3ECC
RGB	204, 62, 204
RGB Percent	80%, 24%, 80%
CMY	0.2000, 0.7567, 0.2001
CMYK	0.00, 0.70, 0.00, 0.20
HSL	300°, 58%, 52%
HSV	300°, 70%, 80%
XYZ	37.5197, 20.6423, 59.1238
YIQ	120.6460, 39.0500, 74.2660

Conversions

Conversions Part 2

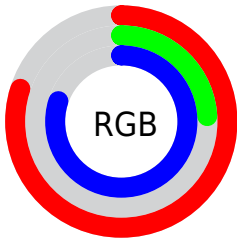
Format	Color
RYB	204, 62, 204
Decimal	13385420
CIELab	52.56, 71.29, -44.97
CIElCh	53, 84.283, 327.756
Yxy	20.6423, 0.3199, 0.1760
Android (android.graphics.Color)	4291575500 (0xFFCC3ECC)
YUV	120.6460, 41.0935, 73.1015
Hunter-Lab	45.4338, 67.8981, -45.3514

Details

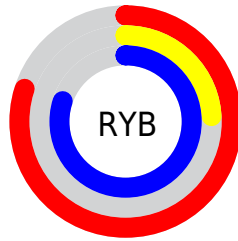
The Yxy color **20.6423, 0.3199, 0.1760** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **44.5541, 0.3023, 0.5509**, and the grayscale version is **18.8603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **8.2809, 0.3160, 0.1514** is the 20% darker color. If you saturate the color by 10%, you get **18.8246, 0.3204, 0.1648**, and if you desaturate by 10%, it is **23.2942, 0.3192, 0.1914**.

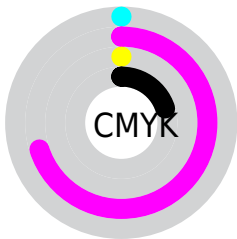
Distribution



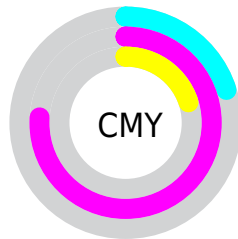
- Red (80%)
- Green (24%)
- Blue (80%)



- Red (80%)
- Yellow (24%)
- Blue (80%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (76%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6423, 0.3199, 0.1760 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 20.6423, 0.3199, 0.1760 by changing the saturation by 10% instead.


 20.6423, 0.3199,
0.1760


 20.6423, 0.3199,
0.1760


255.3714, 0.3200,
0.2500


 12.8628, 0.3186,
0.1589


 44.4915, 0.3209,
0.2020

 7.3341, 0.3161,
0.1380


 61.3299, 0.3210,
0.2120


 3.6719, 0.3115,
0.1123


 81.9568, 0.3209,
0.2207

 1.4918, 0.3026,
0.0808

 106.7565, 0.3208,
0.2281

 0.2829, 0.2886,
0.0310

 136.1134, 0.3207,
0.2347

 0.0000, 0.2492,
0.0000

170.4119, 0.3205,

 0.0000, 0.0000,

0.2404

0.0000

210.0364, 0.3203,
0.2455

■ 20.6423, 0.3199,
0.1760

■ 20.6423, 0.3199,
0.1760

■ 18.8246, 0.3204,
0.1648

■ 23.2942, 0.3192,
0.1914

■ 17.7396, 0.3208,
0.1578

■ 26.8610, 0.3183,
0.2104

■ 17.2128, 0.3209,
0.1543

■ 31.4170, 0.3173,
0.2323

■ 17.1947, 0.3209,
0.1542

■ 37.0281, 0.3161,
0.2561

■ 43.7545, 0.3150,
0.2808

■ 51.6520, 0.3138,
0.3057

■ 60.7726, 0.3127,
0.3300

■ 71.1651, 0.3116,
0.3532

■ 82.8757, 0.3106,
0.3750

Harmonies

Analogous

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



20.6423, 0.1945, 0.1407



20.6423, 0.3199, 0.1760



20.6423, 0.4803, 0.2381

Triad

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



20.6423, 0.3199, 0.1760



20.6423, 0.4903, 0.4989



20.6423, 0.1000, 0.2518

Complementary

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



20.6423, 0.3199, 0.1760



44.5541, 0.3023, 0.5509

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.



20.6423, 0.1480, 0.4260



20.6423, 0.3199, 0.1760



20.6423, 0.3701, 0.5972

Square

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



20.6423, 0.3199, 0.1760



20.6423, 0.5765, 0.3965



20.6423, 0.2480, 0.5973



20.6423, 0.0955, 0.1649

Rectangle

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



20.6423, 0.3199, 0.1760



20.6423, 0.5622, 0.2877



20.6423, 0.2480, 0.5973



20.6423, 0.1102, 0.3001

Sweetspot

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



20.6432, 0.3199, 0.1760



70.4633, 0.3152, 0.2766



8.8326, 0.1793, 0.1084



14.3933, 0.3155, 0.2697



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.



20.6432, 0.3199, 0.1760



30.0516, 0.3206, 0.1604



17.9781, 0.4234, 0.2467



11.4038, 0.3138, 0.3062



10.8238, 0.3209, 0.1542



0.5584, 0.3209, 0.1542

Inverse Universe

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



20.6432, 0.3199, 0.1760



30.0516, 0.3206, 0.1604



45.8997, 0.2692, 0.4443



11.4038, 0.3138, 0.3062



10.8238, 0.3209, 0.1542



0.5584, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.6423, 0.3199, 0.1760 looks on a white background.

Color Contrast Check

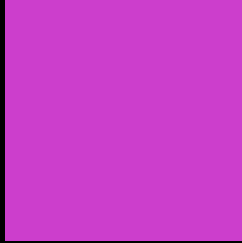
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6423, 0.3199, 0.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

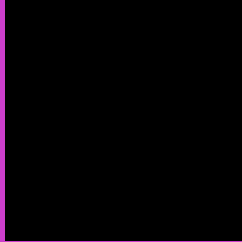
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6423, 0.3199, 0.1760

Background



This preview shows how black text looks on a background with the Yxy color 20.6423, 0.3199, 0.1760.



This preview shows how white text looks on a background with the Yxy color 20.6423, 0.3199, 0.1760.

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

20.6423, 0.3199, 0.1760

Protanopia

21.1278, 0.1762, 0.1469

Deuteranopia

21.0409, 0.2229, 0.2180



Tritanopia

20.5515, 0.4417, 0.3200

Trichromacy



Original Color

20.6423, 0.3199, 0.1760



Protanomaly

17.3946, 0.1954, 0.1416



Deuteranomaly

18.6832, 0.2481, 0.1888



Tritanomaly

19.9699, 0.3948, 0.2571

Monochromacy



Original Color

20.6423, 0.3199, 0.1760



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.9280, 0.3165, 0.2477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6423, 0.3199, 0.1760 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, 62, 204)` looks like.

```
.text, #text, p{  
    color:rgb(204, 62, 204)  
}
```

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, 62, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 62, 204) }
```

Border

The CSS property to change the border of an element to Yxy 20.6423, 0.3199, 0.1760 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, 62, 204) }
```

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

```
.border{ border-color:rgb(204, 62, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 62, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 62, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 62, 204);  
box-shadow:4px 4px 4px 4px rgb(204, 62,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6423, 0.3199, 0.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 62, 204) }
```

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

```
.background{ background-color: rgb(204, 62,  
204) }
```

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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