

Converting Colors

$Y_{xy}(20.6087, 0.3194, 0.1626)$

Have a look what the booklet for
Yxy(20.6087, 0.3194, 0.1626)
contains.

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Color

Yxy(20.5188, 0.3194, 0.1624)

Conversions

Conversions Part 1

Format	Color
Hex	D528D6
RGB	213, 40, 214
RGB Percent	84%, 16%, 84%
CMY	0.1644, 0.8438, 0.1607
CMYK	0.00, 0.81, 0.00, 0.16
HSL	300°, 69%, 50%
HSV	300°, 81%, 84%
XYZ	40.3553, 20.5188, 65.4732
YIQ	111.5630, 47.2540, 90.7900

Conversions

Conversions Part 2

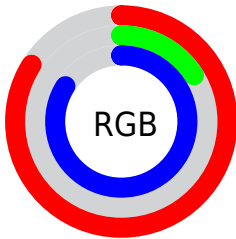
Format	Color
R _{YB}	213, 40, 214
Decimal	13969622
CIE _{Lab}	52.42, 80.89, -50.85
CIE _{LCh}	52, 95.545, 327.848
Yxy	20.5188, 0.3194, 0.1624
Android (android.graphics.Color)	4292159702 (0xFFD528D6)
YUV	111.5630, 50.5014, 88.9602
Hunter-Lab	45.2977, 79.7532, -53.9893

Details

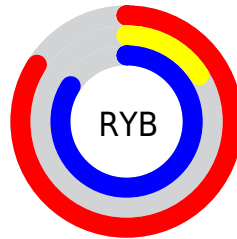
The Yxy color **20.5188, 0.3194, 0.1624** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **48.7286, 0.3012, 0.5792**, and the grayscale version is **15.8855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **9.3386, 0.3147, 0.1507** is the 20% darker color. If you saturate the color by 10%, you get **19.4425, 0.3195, 0.1561**, and if you desaturate by 10%, it is **22.3938, 0.3191, 0.1729**.

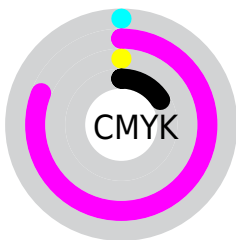
Distribution



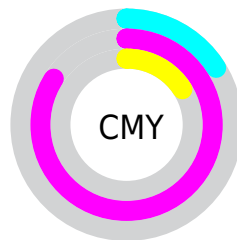
- Red (84%)
- Green (16%)
- Blue (84%)



- Red (84%)
- Yellow (16%)
- Blue (84%)



- Cyan (0%)
- Magenta (81%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5188, 0.3194, 0.1624 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 20.5188, 0.3194, 0.1624 by changing the saturation by 10% instead.


 20.5188, 0.3194,
0.1624


 20.5188, 0.3194,
0.1624


254.7100, 0.3207,
0.2411


 12.7727, 0.3176,
0.1449


 44.2853, 0.3210,
0.1896


 7.2722, 0.3145,
0.1238


 61.0745, 0.3212,
0.2002

 3.6329, 0.3089,
0.0985


 81.6469, 0.3213,
0.2094

 1.4704, 0.2987,
0.0687

 106.3868, 0.3213,
0.2174

 0.2678, 0.2828,
0.0242

 135.6787, 0.3212,
0.2244

 0.0000, 0.2435,
0.0000

169.9069, 0.3210,

 0.0000, 0.0760,

0.2307

0.0000

209.4559, 0.3209,
0.2362

■ 0.0000, 0.0000,
0.0000

■ 20.5188, 0.3194,
0.1624

■ 20.5188, 0.3194,
0.1624

■ 19.4425, 0.3195,
0.1561

■ 22.3938, 0.3191,
0.1729

■ 18.9807, 0.3195,
0.1534

■ 25.1801, 0.3185,
0.1877

■ 28.9754, 0.3178,
0.2062

■ 33.8642, 0.3170,
0.2278

■ 39.9220, 0.3160,
0.2514

■ 47.2176, 0.3150,
0.2761

■ 55.8145, 0.3139,
0.3011

■ 65.7720, 0.3129,
0.3257

■ 77.1456, 0.3118,
0.3492

Harmonies

Analogous

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



20.5188, 0.1824, 0.1257



20.5188, 0.3194, 0.1624



20.5188, 0.5015, 0.2275

Triad

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



20.5188, 0.3194, 0.1624



20.5188, 0.4964, 0.5036



20.5188, 0.0823, 0.2383

Complementary

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



20.5188, 0.3194, 0.1624



48.7286, 0.3012, 0.5792

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.



20.5188, 0.1286, 0.4374



20.5188, 0.3194, 0.1624



20.5188, 0.3629, 0.6246

Square

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



20.5188, 0.3194, 0.1624



20.5188, 0.5974, 0.3900



20.5188, 0.2323, 0.6395



20.5188, 0.0798, 0.1480

Rectangle

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



20.5188, 0.3194, 0.1624



20.5188, 0.5928, 0.2784



20.5188, 0.2323, 0.6395



20.5188, 0.0916, 0.2914

Sweetspot

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



20.5197, 0.3194, 0.1624



66.9106, 0.3153, 0.2690



7.0129, 0.1628, 0.0824



13.4814, 0.3156, 0.2601



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.



20.5197, 0.3194, 0.1624



28.3303, 0.3195, 0.1538



17.4145, 0.4476, 0.2398



12.6291, 0.3137, 0.3060



11.4703, 0.3196, 0.1534



0.6930, 0.3198, 0.1535

Inverse Universe

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



15.9659, 0.5958, 0.3292



21.3849, 0.6373, 0.3298



50.0131, 0.2700, 0.4727



12.4219, 0.3290, 0.3289



8.6432, 0.6394, 0.3296



0.5217, 0.6374, 0.3285

Previews

White Background



This preview shows how the Yxy color 20.5188, 0.3194, 0.1624 looks on a white background.

Color Contrast Check

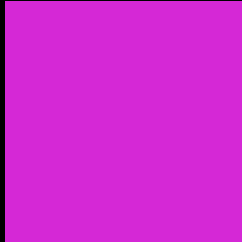
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5188, 0.3194, 0.1624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

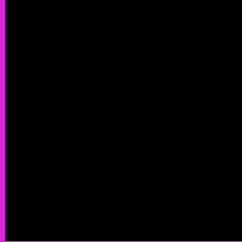
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5188, 0.3194, 0.1624

Background



This preview shows how black text looks on a background with the Yxy color 20.5188, 0.3194, 0.1624.



This preview shows how white text looks on a background with the Yxy color 20.5188, 0.3194, 0.1624.

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

20.5188, 0.3194, 0.1624

Protanopia

21.0542, 0.1755, 0.1466

Deuteranopia

20.9353, 0.2125, 0.2068



Tritanopia

20.4362, 0.4661, 0.3220

Trichromacy



Original Color

20.5188, 0.3194, 0.1624



Protanomaly

15.9976, 0.1917, 0.1290



Deuteranomaly

17.3078, 0.2380, 0.1696



Tritanomaly

19.4779, 0.4116, 0.2493

Monochromacy



Original Color

20.5188, 0.3194, 0.1624



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9310, 0.3175, 0.2278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5188, 0.3194, 0.1624 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(213, 40, 214)` looks like.

```
.text, #text, p{  
    color:rgb(213, 40, 214)  
}
```

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(213, 40, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 40, 214) }
```

Border

The CSS property to change the border of an element to Yxy 20.5188, 0.3194, 0.1624 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(213, 40, 214) }
```

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

```
.border{ border-color:rgb(213, 40, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 40, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 40, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 40, 214);  
box-shadow:4px 4px 4px 4px rgb(213, 40,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5188, 0.3194, 0.1624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 40, 214) }
```

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

```
.background{ background-color: rgb(213, 40,  
214) }
```

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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