

Converting Colors

$Y_{xy}(20.4406, 0.3424, 0.2389)$

Have a look what the booklet for
Yxy(20.4406, 0.3424, 0.2389)
contains.

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Color

Yxy(20.4258, 0.3428, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	B45FA0
RGB	180, 95, 160
RGB Percent	71%, 37%, 63%
CMY	0.2941, 0.6274, 0.3724
CMYK	0.00, 0.47, 0.11, 0.29
HSL	314°, 36%, 54%
HSV	314°, 47%, 71%
XYZ	29.2602, 20.4258, 35.6705
YIQ	127.8250, 29.7950, 38.2350

Conversions

Conversions Part 2

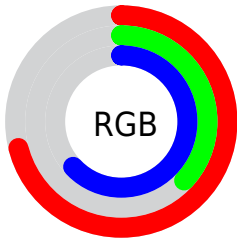
Format	Color
R_{YB}	180, 95, 160
Decimal	11820960
CIE _{Lab}	52.32, 43.15, -20.09
CIE _{LCh}	52, 47.595, 335.035
Yxy	20.4258, 0.3428, 0.2393
Android (android.graphics.Color)	4290011040 (0xFFB45FA0)
YUV	127.8250, 15.8623, 45.7575
Hunter-Lab	45.1949, 36.4738, -15.1587

Details

The Yxy color **20.4258, 0.3428, 0.2393** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.3097, 0.2929, 0.4407**, and the grayscale version is **21.4600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0906, 0.3367, 0.2569**, and **7.2440, 0.3522, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **17.4045, 0.3514, 0.2227**, and if you desaturate by 10%, it is **24.2032, 0.3349, 0.2577**.

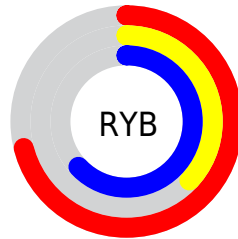
Distribution



Red (71%)

Green (37%)

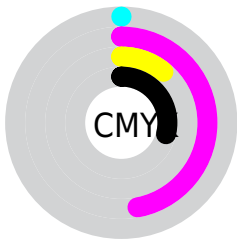
Blue (63%)



Red (71%)

Yellow (37%)

Blue (63%)

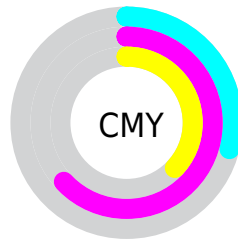


Cyan (0%)

Magenta (47%)

Yellow (11%)

Black (29%)



Cyan (29%)


Magenta (63%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4258, 0.3428, 0.2393 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 20.4258, 0.3428, 0.2393 by changing the saturation by 10% instead.


 20.4258, 0.3428,
0.2393


 20.4258, 0.3428,
0.2393


254.2110, 0.3274,
0.2866

 12.7049, 0.3467,
0.2268


 44.1299, 0.3371,
0.2570


 7.2257, 0.3517,
0.2104


 60.8820, 0.3350,
0.2635

 3.6036, 0.3583,
0.1879


 81.4132, 0.3332,
0.2689

 1.4544, 0.3672,
0.1558

 106.1080, 0.3317,
0.2735

 0.2563, 0.3935,
0.0729

135.3508, 0.3304,
0.2775

 0.0000, 0.3386,
0.0000

169.5260, 0.3293,

 0.0000, 0.0000,

0.2809

0.0000

209.0179, 0.3283,
0.2839

■ 20.4258, 0.3428,
0.2393

■ 20.4258, 0.3428,
0.2393

■ 17.4045, 0.3514,
0.2227

■ 24.2032, 0.3349,
0.2577

■ 15.0840, 0.3605,
0.2090

■ 28.7812, 0.3278,
0.2771

■ 13.4061, 0.3699,
0.1991


■ 34.2042, 0.3216,
0.2966


■ 12.3021, 0.3792,
0.1936


■ 40.5125, 0.3161,
0.3157


■ 11.6719, 0.3883,
0.1926


■ 47.7440, 0.3115,
0.3340

 11.5289, 0.3908,
0.1927

 55.9341, 0.3076,
0.3512

 65.1165, 0.3042,
0.3673

 75.3233, 0.3014,
0.3822

 85.3034, 0.2991,
0.3938

Harmonies

Analogous

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



20.4258, 0.2580, 0.2080



20.4258, 0.3428, 0.2393



20.4258, 0.4293, 0.2886

Triad

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



20.4258, 0.3428, 0.2393



20.4258, 0.4249, 0.4667



20.4258, 0.1698, 0.2735

Complementary

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



20.4258, 0.3428, 0.2393



36.3097, 0.2929, 0.4407

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.



20.4258, 0.2026, 0.3610



20.4258, 0.3428, 0.2393



20.4258, 0.3486, 0.4912

Square

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



20.4258, 0.3428, 0.2393



20.4258, 0.4757, 0.4106



20.4258, 0.2671, 0.4520



20.4258, 0.1691, 0.2200

Rectangle

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



20.4258, 0.3428, 0.2393



20.4258, 0.4692, 0.3276



20.4258, 0.2671, 0.4520



20.4258, 0.1770, 0.2995

Sweetspot

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



20.4268, 0.3428, 0.2393



65.2605, 0.3199, 0.3023



15.1140, 0.2436, 0.1900



13.6022, 0.3211, 0.2982



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4268, 0.3428, 0.2393



31.1985, 0.3521, 0.2216



19.1879, 0.4043, 0.2965



8.6119, 0.3172, 0.3117



8.0580, 0.3898, 0.1921



0.2619, 0.3670, 0.1795

Inverse Universe

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



20.4268, 0.3428, 0.2393



31.1985, 0.3521, 0.2216



37.5182, 0.2648, 0.3659



8.6119, 0.3172, 0.3117



8.0580, 0.3898, 0.1921



0.2619, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 20.4258, 0.3428, 0.2393 looks on a white background.

Color Contrast Check

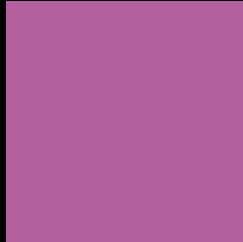
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4258, 0.3428, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

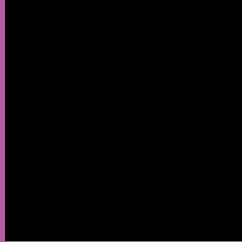
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4258, 0.3428, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 20.4258, 0.3428, 0.2393.



This preview shows how white text looks on a background with the Yxy color 20.4258, 0.3428, 0.2393.

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

20.4258, 0.3428, 0.2393

Protanopia

20.5663, 0.2415, 0.2324

Deuteranopia

20.6701, 0.2782, 0.2735



Tritanopia

20.4094, 0.3997, 0.3173

Trichromacy



Original Color

20.4258, 0.3428, 0.2393

Protanomaly

19.8139, 0.2718, 0.2329

Deuteranomaly

20.0842, 0.2992, 0.2577

Tritanomaly

20.2662, 0.3793, 0.2867

Monochromacy



Original Color

20.4258, 0.3428, 0.2393

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.5873, 0.3233, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4258, 0.3428, 0.2393 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(180, 95, 160)` looks like.

```
.text, #text, p{  
  color:rgb(180, 95, 160)  
}
```

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(180, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 95, 160) }
```

Border

The CSS property to change the border of an element to Yxy 20.4258, 0.3428, 0.2393 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(180, 95, 160) }
```

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

```
.border{ border-color:rgb(180, 95, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 95, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(180, 95,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4258, 0.3428, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 95, 160) }
```

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

```
.background{ background-color: rgb(180, 95,  
160) }
```

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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