

Converting Colors

$Y_{xy}(21.2521, 0.4228, 0.2976)$

Have a look what the booklet for
Yxy(21.2521, 0.4228, 0.2976)
contains.

Yxy(21.2521, 0.4228, 0.2976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2521, 0.4228, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	C45F77
RGB	196, 95, 119
RGB Percent	77%, 37%, 47%
CMY	0.2313, 0.6275, 0.5333
CMYK	0.00, 0.52, 0.39, 0.23
HSL	346°, 46%, 57%
HSV	346°, 52%, 77%
XYZ	30.1928, 21.2521, 19.9667
YIQ	127.9350, 52.4920, 28.8760

Conversions

Conversions Part 2

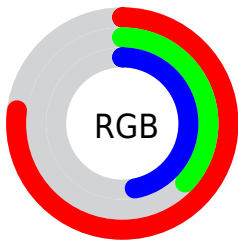
Format	Color
R_{YB}	196, 95, 119
Decimal	12869495
CIE _{Lab}	53.22, 42.78, 5.73
CIE _{LCh}	53, 43.161, 7.624
Yxy	21.2521, 0.4228, 0.2976
Android (android.graphics.Color)	4291059575 (0xFFC45F77)
YUV	127.9350, -4.4050, 59.6930
Hunter-Lab	46.1000, 36.2322, 6.5905

Details

The Yxy color **21.2521, 0.4228, 0.2976** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **44.9031, 0.2598, 0.3656**, and the grayscale version is **21.5642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3801, 0.3979, 0.3051**, and **7.6717, 0.4668, 0.2831** is the 20% darker color. If you saturate the color by 10%, you get **17.8244, 0.4580, 0.2935**, and if you desaturate by 10%, it is **25.6268, 0.3923, 0.3032**.

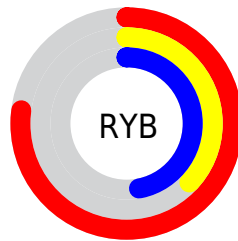
Distribution



Red (77%)

Green (37%)

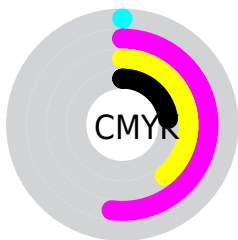
Blue (47%)



Red (77%)

Yellow (37%)

Blue (47%)

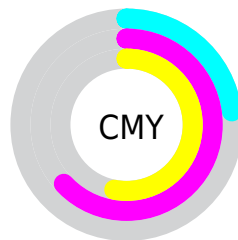


Cyan (0%)

Magenta (52%)

Yellow (39%)

Black (23%)



Cyan (23%)


Magenta (63%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2521, 0.4228, 0.2976 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 21.2521, 0.4228, 0.2976 by changing the saturation by 10% instead.


 21.2521, 0.4228,
0.2976


 21.2521, 0.4228,
0.2976


258.6152, 0.3604,
0.3163


 13.3084, 0.4412,
0.2917


 45.5067, 0.3981,
0.3053

 7.6413, 0.4669,
0.2831


 62.5864, 0.3895,
0.3079

 3.8663, 0.5047,
0.2699

 83.4803, 0.3824,
0.3100

 1.5990, 0.5651,
0.2473

 108.5726, 0.3765,
0.3117

 0.3570, 0.8086,
0.1914

138.2479, 0.3716,
0.3131

 0.0000, 1.0000,
0.0000

172.8905, 0.3673,

 0.0000, 0.0000,

0.3143

0.0000

212.8848, 0.3636,
0.3154

■ 21.2521, 0.4228,
0.2976

■ 21.2521, 0.4228,
0.2976

■ 17.8244, 0.4580,
0.2935

■ 25.6268, 0.3923,
0.3032

■ 15.2698, 0.4967,
0.2919

■ 31.0087, 0.3667,
0.3095

■ 13.5088, 0.5361,
0.2938

■ 37.4566, 0.3457,
0.3160

■ 12.4456, 0.5722,
0.2997

■ 45.0240, 0.3285,
0.3222

■ 11.9416, 0.5977,
0.3066

■ 53.7609, 0.3146,
0.3281

■ 63.7140, 0.3033,
0.3336

■ 74.9275, 0.2941,
0.3386

■ 87.4437, 0.2866,
0.3432

■ 90.3823, 0.2791,
0.3305

Harmonies

Analogous

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



21.2521, 0.3473, 0.2507



21.2521, 0.4228, 0.2976



21.2521, 0.4648, 0.3532

Triad

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



21.2521, 0.4228, 0.2976



21.2521, 0.3404, 0.4726



21.2521, 0.1827, 0.2278

Complementary

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



21.2521, 0.4228, 0.2976



44.9031, 0.2598, 0.3656

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.



21.2521, 0.1812, 0.2747



21.2521, 0.4228, 0.2976



21.2521, 0.2668, 0.4318

Square

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



21.2521, 0.4228, 0.2976



21.2521, 0.4106, 0.4578



21.2521, 0.2096, 0.3508



21.2521, 0.2125, 0.2112

Rectangle

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



21.2521, 0.4228, 0.2976



21.2521, 0.4655, 0.3916



21.2521, 0.2096, 0.3508



21.2521, 0.1790, 0.2399

Sweetspot

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



21.2532, 0.4228, 0.2976



76.2394, 0.3344, 0.3199



20.8001, 0.2899, 0.1958



15.6882, 0.3381, 0.3186



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.



21.2532, 0.4228, 0.2976



31.5260, 0.4634, 0.2931



26.0574, 0.4397, 0.3628



10.1163, 0.3252, 0.3235



7.6820, 0.5943, 0.3048



0.3431, 0.5295, 0.2690

Inverse Universe

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



21.2532, 0.4228, 0.2976



31.5260, 0.4634, 0.2931



35.4567, 0.2390, 0.2901



10.1163, 0.3252, 0.3235



7.6820, 0.5943, 0.3048



0.3431, 0.5295, 0.2690

Previews

White Background



This preview shows how the Yxy color 21.2521, 0.4228, 0.2976 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 21.2521, 0.4228, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

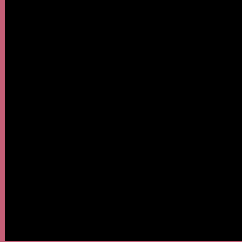
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2521, 0.4228, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 21.2521, 0.4228, 0.2976.



This preview shows how white text looks on a background with the Yxy color 21.2521, 0.4228, 0.2976.

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

21.2521, 0.4228, 0.2976

Protanopia

21.4969, 0.3020, 0.3112

Deuteranopia

21.4006, 0.3510, 0.3446



Tritanopia

21.3369, 0.4425, 0.3215

Trichromacy



Original Color

21.2521, 0.4228, 0.2976

Protanomaly

20.5486, 0.3422, 0.3043

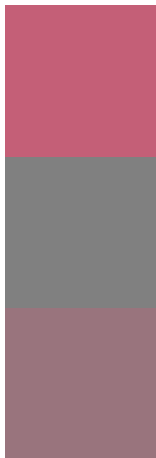
Deuteranomaly

20.9637, 0.3771, 0.3244

Tritanomaly

21.2556, 0.4356, 0.3135

Monochromacy



Original Color

21.2521, 0.4228, 0.2976

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.7438, 0.3497, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2521, 0.4228, 0.2976 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(196, 95, 119)` looks like.

```
.text, #text, p{  
    color:rgb(196, 95, 119)  
}
```

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(196, 95, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 95, 119) }
```

Border

The CSS property to change the border of an element to Yxy 21.2521, 0.4228, 0.2976 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(196, 95, 119) }
```

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

```
.border{ border-color:rgb(196, 95, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 95, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 95, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 95, 119);  
box-shadow:4px 4px 4px 4px rgb(196, 95,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2521, 0.4228, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 95, 119) }
```

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

```
.background{ background-color: rgb(196, 95,  
119) }
```

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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