

Converting Colors

$Y_{xy}(44.2691, 0.2538, 0.3128)$

Have a look what the booklet for
Yxy(44.2691, 0.2538, 0.3128)
contains.

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Color

Yxy(44.3472, 0.2539, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	75BDC8
RGB	117, 189, 200
RGB Percent	46%, 74%, 78%
CMY	0.5414, 0.2588, 0.2158
CMYK	0.42, 0.05, 0.00, 0.22
HSL	188°, 43%, 62%
HSV	188°, 42%, 78%
XYZ	35.9507, 44.3472, 61.2960
YIQ	168.7260, -46.4430, -11.8430

Conversions

Conversions Part 2

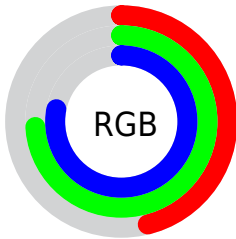
Format	Color
R _{YB}	117, 156, 200
Decimal	7716296
CIE Lab	72.46, -19.69, -12.62
CIE LCh	72, 23.393, 212.658
Yxy	44.3472, 0.2539, 0.3132
Android (android.graphics.Color)	4285906376 (0xFF75BDC8)
YUV	168.7260, 15.4181, -45.3637
Hunter-Lab	66.5937, -20.1755, -7.9577

Details

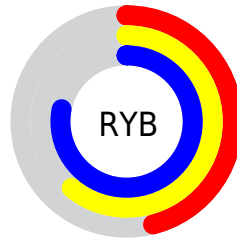
The Yxy color **44.3472, 0.2539, 0.3132** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9730, 0.4121, 0.3438**, and the grayscale version is **39.4672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4091, 0.2653, 0.3179**, and **20.6757, 0.2378, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **41.9835, 0.2426, 0.3088**, and if you desaturate by 10%, it is **47.0308, 0.2666, 0.3174**.

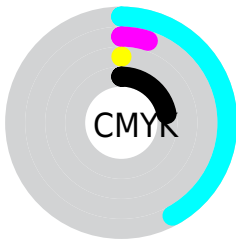
Distribution



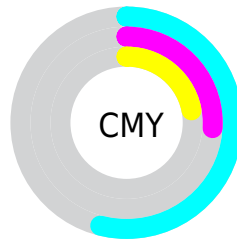
- Red (46%)
- Green (74%)
- Blue (78%)



- Red (46%)
- Yellow (61%)
- Blue (78%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (54%)
- Magenta (26%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3472, 0.2539, 0.3132 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 44.3472, 0.2539, 0.3132 by changing the saturation by 10% instead.

■ 44.3472, 0.2539,
0.3132

■ 44.3472, 0.2539,
0.3132

■ 364.1232, 0.2829,
0.3218

■ 30.9436, 0.2468,
0.3109

■ 81.7399, 0.2644,
0.3165

■ 20.5559, 0.2378,
0.3077

■ 106.4978, 0.2683,
0.3176

■ 12.7998, 0.2259,
0.3034

■ 135.8092, 0.2717,
0.3186

■ 7.2908, 0.2097,
0.2970

■ 170.0586, 0.2746,
0.3195

■ 3.6446, 0.1865,
0.2868

■ 209.6303, 0.2771,
0.3202

■ 1.4768, 0.1509,
0.2684

■ 254.9087, 0.2793,

■ 0.2723, 0.0000,

0.3208

0.1855

306.2782, 0.2812,
0.3213

0.0000, 0.0000,
0.0000

44.3472, 0.2539,
0.3132

44.3472, 0.2539,
0.3132

41.9835, 0.2426,
0.3088

47.0308, 0.2666,
0.3174

39.9155, 0.2330,
0.3042

50.0467, 0.2805,
0.3214

38.1235, 0.2251,
0.2996

53.4126, 0.2952,
0.3251

36.5832, 0.2192,
0.2949

57.1437, 0.3104,
0.3285

35.2653, 0.2152,
0.2903

61.2539, 0.3258,
0.3316

■ 34.2774, 0.2129,
0.2865

■ 65.7566, 0.3413,
0.3344

■ 70.2974, 0.3551,
0.3369

■ 71.5917, 0.3545,
0.3395

■ 72.9075, 0.3539,
0.3422

Harmonies

Analogous

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



44.3472, 0.2713, 0.3450



44.3472, 0.2539, 0.3132



44.3472, 0.2514, 0.2882

Triad

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



44.3472, 0.2539, 0.3132



44.3472, 0.3230, 0.2899



44.3472, 0.3620, 0.3841

Complementary

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



44.3472, 0.2539, 0.3132



28.9730, 0.4121, 0.3438

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.



44.3472, 0.3778, 0.3657



44.3472, 0.2539, 0.3132



44.3472, 0.3548, 0.3123

Square

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



44.3472, 0.2539, 0.3132



44.3472, 0.2899, 0.2766



44.3472, 0.3753, 0.3395



44.3472, 0.3332, 0.3879

Rectangle

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



44.3472, 0.2539, 0.3132



44.3472, 0.2583, 0.2783



44.3472, 0.3753, 0.3395



44.3472, 0.3690, 0.3793

Sweetspot

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



44.3489, 0.2539, 0.3132



92.1004, 0.2942, 0.3249



46.5999, 0.3008, 0.4411



19.5415, 0.2922, 0.3244



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.



44.3489, 0.2539, 0.3132



73.0156, 0.2435, 0.3091



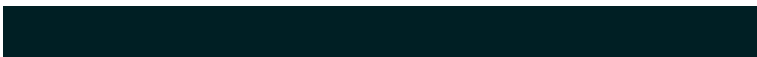
29.3697, 0.2440, 0.2518



11.8194, 0.2984, 0.3259



21.8938, 0.2131, 0.2871



1.1048, 0.2157, 0.2966

Inverse Universe

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



28.6600, 0.3290, 0.2396



42.7510, 0.3335, 0.2215



41.6196, 0.3897, 0.3951



10.7916, 0.3157, 0.3092



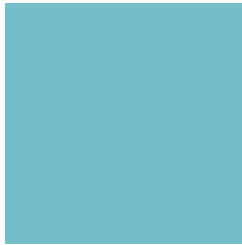
9.7502, 0.3570, 0.1740



0.4685, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 44.3472, 0.2539, 0.3132 looks on a white background.

Color Contrast Check

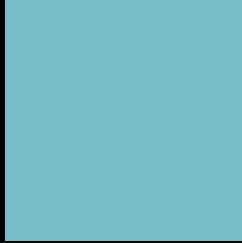
Large Text (above 18pt) WCAG AA × Fail

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 44.3472, 0.2539, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

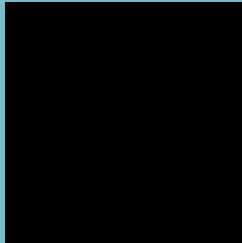
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3472, 0.2539, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 44.3472, 0.2539, 0.3132.



This preview shows how white text looks on a background with the Yxy color 44.3472, 0.2539, 0.3132.

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

44.3472, 0.2539, 0.3132

Protanopia

44.0865, 0.3000, 0.3080

Deuteranopia

43.6406, 0.2957, 0.2894



Tritanopia

44.1776, 0.2520, 0.3062

Trichromacy



Original Color

44.3472, 0.2539, 0.3132

Protanomaly

43.9564, 0.2812, 0.3099

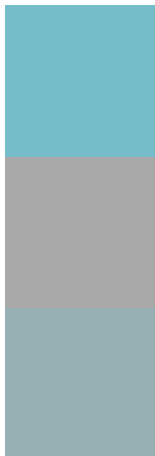
Deuteranomaly

43.3742, 0.2783, 0.2968

Tritanomaly

44.1298, 0.2526, 0.3076

Monochromacy



Original Color

44.3472, 0.2539, 0.3132

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.8300, 0.2877, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3472, 0.2539, 0.3132 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(117, 189, 200)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 200)  
}
```

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(117, 189, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 200) }
```

Border

The CSS property to change the border of an element to Yxy 44.3472, 0.2539, 0.3132 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(117, 189, 200) }
```

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

```
.border{ border-color:rgb(117, 189, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 200);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3472, 0.2539, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 200) }
```

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

```
.background{ background-color: rgb(117,  
189, 200) }
```

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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