

Converting Colors

$Y_{xy}(41.5901, 0.2515, 0.3200)$

Have a look what the booklet for
Yxy(41.5901, 0.2515, 0.3200)
contains.

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Color

Yxy(41.4628, 0.2513, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	69B9BF
RGB	105, 185, 191
RGB Percent	41%, 73%, 75%
CMY	0.5886, 0.2744, 0.2510
CMYK	0.45, 0.03, 0.00, 0.25
HSL	184°, 40%, 58%
HSV	184°, 45%, 75%
XYZ	32.5714, 41.4628, 55.5775
YIQ	161.7640, -49.6060, -15.0940

Conversions

Conversions Part 2

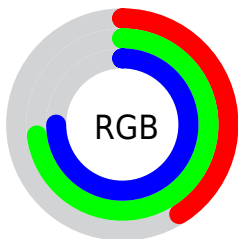
Format	Color
RYB	105, 146, 191
Decimal	6928831
CIELab	70.50, -22.95, -10.70
CIELCh	70, 25.319, 205.001
Yxy	41.4628, 0.2513, 0.3199
Android (android.graphics.Color)	4285118911 (0xFF69B9BF)
YUV	161.7640, 14.4133, -49.7820
Hunter-Lab	64.3916, -22.3941, -6.1001

Details

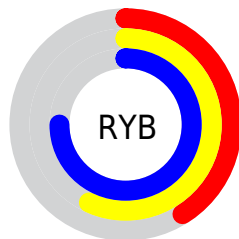
The Yxy color **41.4628, 0.2513, 0.3199** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4436, 0.4277, 0.3375**, and the grayscale version is **35.9561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2031, 0.2626, 0.3220**, and **18.9418, 0.2338, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **39.8825, 0.2413, 0.3176**, and if you desaturate by 10%, it is **43.3111, 0.2629, 0.3221**.

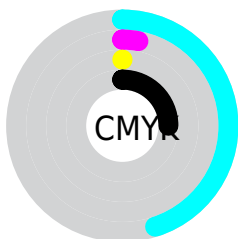
Distribution



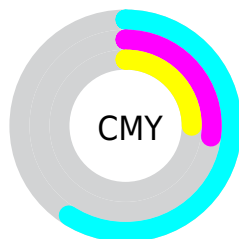
- Red (41%)
- Green (73%)
- Blue (75%)



- Red (41%)
- Yellow (57%)
- Blue (75%)



- Cyan (45%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)





- Cyan (59%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4628, 0.2513, 0.3199 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 41.4628, 0.2513, 0.3199 by changing the saturation by 10% instead.


 41.4628, 0.2513,
0.3199


 41.4628, 0.2513,
0.3199

352.2512, 0.2820,
0.3252

 28.6809, 0.2437,
0.3183


 77.3859, 0.2624,
0.3220


 18.8395, 0.2339,
0.3162


 101.2960, 0.2666,
0.3228

 11.5544, 0.2211,
0.3130


 129.6841, 0.2702,
0.3234

 6.4410, 0.2033,
0.3081

 162.9349, 0.2732,
0.3239

 3.1151, 0.1775,
0.2997

201.4325, 0.2758,
0.3243

 1.1921, 0.1304,
0.2854

245.5615, 0.2781,

 0.0552, 0.0000,

0.3246

0.0640

295.7063, 0.2802,
0.3250

0.0000, 0.0000,
0.0000

41.4628, 0.2513,
0.3199

41.4628, 0.2513,
0.3199

39.8825, 0.2413,
0.3176

43.3111, 0.2629,
0.3221

38.5479, 0.2331,
0.3152

45.4387, 0.2759,
0.3243

37.4407, 0.2268,
0.3129


47.8617, 0.2900,
0.3263

36.5380, 0.2223,
0.3105

50.5940, 0.3049,
0.3281

35.8118, 0.2196,
0.3082


53.6483, 0.3204,
0.3298

 35.4902, 0.2186,
0.3071

 57.0367, 0.3360,
0.3314

 60.7705, 0.3517,
0.3327

 64.3409, 0.3649,
0.3340

 64.9415, 0.3646,
0.3354

Harmonies

Analogous

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



41.4628, 0.2740, 0.3557



41.4628, 0.2513, 0.3199



41.4628, 0.2443, 0.2896

Triad

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



41.4628, 0.2513, 0.3199



41.4628, 0.3143, 0.2811



41.4628, 0.3732, 0.3858

Complementary

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



41.4628, 0.2513, 0.3199



23.4436, 0.4277, 0.3375

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.



41.4628, 0.3861, 0.3622



41.4628, 0.2513, 0.3199



41.4628, 0.3511, 0.3035

Square

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



41.4628, 0.2513, 0.3199



41.4628, 0.2791, 0.2697



41.4628, 0.3780, 0.3325



41.4628, 0.3442, 0.3952

Rectangle

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



41.4628, 0.2513, 0.3199



41.4628, 0.2491, 0.2764



41.4628, 0.3780, 0.3325



41.4628, 0.3797, 0.3791

Sweetspot

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



41.4644, 0.2513, 0.3199



86.1108, 0.2913, 0.3264



41.4014, 0.3027, 0.4590



18.6885, 0.2881, 0.3260



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.4644, 0.2513, 0.3199



71.4836, 0.2415, 0.3176



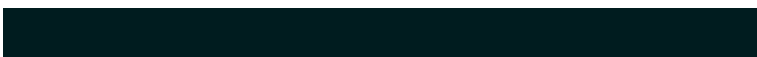
26.1723, 0.2394, 0.2513



10.6928, 0.2985, 0.3273



23.3717, 0.2187, 0.3074



0.9499, 0.2203, 0.3129

Inverse Universe

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



24.6669, 0.3244, 0.2268



37.9997, 0.3274, 0.2076



35.1073, 0.3998, 0.3949



9.6845, 0.3148, 0.3079



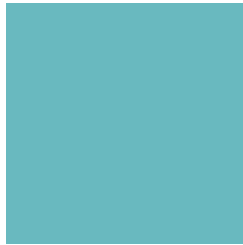
9.3891, 0.3390, 0.1641



0.3713, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 41.4628, 0.2513, 0.3199 looks on a white background.

Color Contrast Check

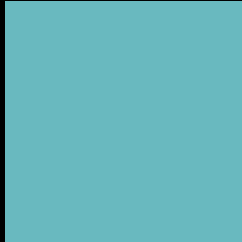
Large Text (above 18pt) WCAG AA × Fail

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 41.4628, 0.2513, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

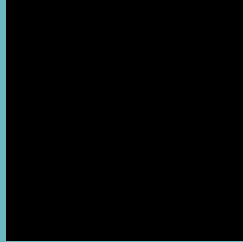
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

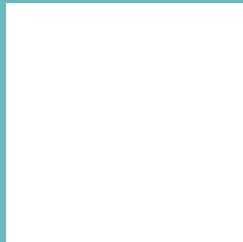
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.4628, 0.2513, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 41.4628, 0.2513, 0.3199.



This preview shows how white text looks on a background with the Yxy color 41.4628, 0.2513, 0.3199.

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

41.4628, 0.2513, 0.3199

Protanopia

40.8975, 0.3046, 0.3127

Deuteranopia

40.9247, 0.2985, 0.2922



Tritanopia

41.5303, 0.2476, 0.3069

Trichromacy



Original Color

41.4628, 0.2513, 0.3199

Protanomaly

40.4586, 0.2824, 0.3147

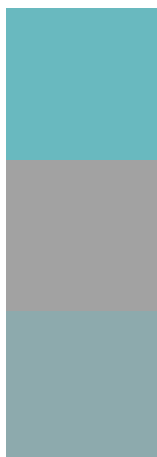
Deuteranomaly

40.7465, 0.2782, 0.3012

Tritanomaly

41.3307, 0.2488, 0.3111

Monochromacy



Original Color

41.4628, 0.2513, 0.3199

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4293, 0.2852, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4628, 0.2513, 0.3199 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(105, 185, 191)` looks like.

```
.text, #text, p{  
    color:rgb(105, 185, 191)  
}
```

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(105, 185, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 185, 191) }
```

Border

The CSS property to change the border of an element to Yxy 41.4628, 0.2513, 0.3199 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(105, 185, 191) }
```

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

```
.border{ border-color:rgb(105, 185, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 185, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 185, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 185, 191);  
box-shadow:4px 4px 4px 4px rgb(105, 185,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4628, 0.2513, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 185, 191) }
```

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

```
.background{ background-color: rgb(105,  
185, 191) }
```

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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