

Converting Colors

$Y_{xy}(41.7481, 0.2569, 0.3204)$

Have a look what the booklet for
Yxy(41.7481, 0.2569, 0.3204)
contains.

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Color

Yxy(41.5761, 0.2569, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	72B8BE
RGB	114, 184, 190
RGB Percent	45%, 72%, 75%
CMY	0.5527, 0.2784, 0.2550
CMYK	0.40, 0.03, 0.00, 0.25
HSL	185°, 37%, 60%
HSV	185°, 40%, 75%
XYZ	33.3778, 41.5761, 54.9714
YIQ	163.7540, -43.6460, -12.9740

Conversions

Conversions Part 2

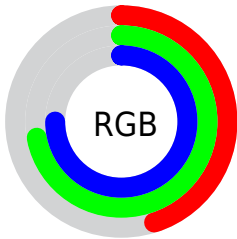
Format	Color
RYB	114, 150, 190
Decimal	7518398
CIELab	70.58, -20.42, -9.98
CIElCh	71, 22.731, 206.048
Yxy	41.5761, 0.2569, 0.3200
Android (android.graphics.Color)	4285708478 (0xFF72B8BE)
YUV	163.7540, 12.9393, -43.6343
Hunter-Lab	64.4795, -20.4387, -5.4114

Details

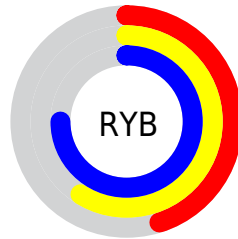
The Yxy color **41.5761, 0.2569, 0.3200** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.6049, 0.4087, 0.3376**, and the grayscale version is **36.9604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4090, 0.2670, 0.3221**, and **18.9685, 0.2407, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **39.8134, 0.2459, 0.3174**, and if you desaturate by 10%, it is **43.6133, 0.2693, 0.3225**.

Distribution



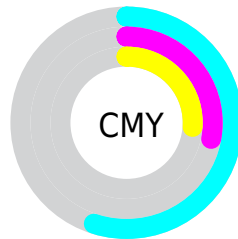
- Red (45%)
- Green (72%)
- Blue (75%)



- Red (45%)
- Yellow (59%)
- Blue (75%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)





- Cyan (55%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5761, 0.2569, 0.3200 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 41.5761, 0.2569, 0.3200 by changing the saturation by 10% instead.


 41.5761, 0.2569,
0.3200


 41.5761, 0.2569,
0.3200


352.7227, 0.2848,
0.3252


 28.7695, 0.2499,
0.3185


 77.5577, 0.2670,
0.3220

 18.9065, 0.2410,
0.3165


 101.5014, 0.2709,
0.3227

 11.6028, 0.2292,
0.3135

 129.9264, 0.2741,
0.3233

 6.4738, 0.2129,
0.3090

163.2169, 0.2768,
0.3238

 3.1353, 0.1889,
0.3013

201.7574, 0.2792,
0.3242

 1.2028, 0.1469,
0.2876

245.9323, 0.2813,

 0.0640, 0.0000,

0.3246

0.0769

296.1259, 0.2832,
0.3249

0.0000, 0.0000,
0.0000

41.5761, 0.2569,
0.3200

41.5761, 0.2569,
0.3200

39.8134, 0.2459,
0.3174

43.6133, 0.2693,
0.3225

38.3037, 0.2367,
0.3148

45.9353, 0.2830,
0.3248

37.0303, 0.2293,
0.3121

48.5575, 0.2976,
0.3270

35.9724, 0.2238,
0.3094

51.4930, 0.3128,
0.3290

35.1052, 0.2201,
0.3067

54.7542, 0.3283,
0.3308

■ 34.3800, 0.2178,
0.3041

■ 58.3525, 0.3440,
0.3325

■ 34.3776, 0.2178,
0.3041

■ 62.2990, 0.3595,
0.3339

■ 64.4491, 0.3657,
0.3354

■ 65.1284, 0.3653,
0.3369

Harmonies

Analogous

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



41.5761, 0.2771, 0.3518



41.5761, 0.2569, 0.3200



41.5761, 0.2511, 0.2930

Triad

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



41.5761, 0.2569, 0.3200



41.5761, 0.3155, 0.2863



41.5761, 0.3664, 0.3807

Complementary

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



41.5761, 0.2569, 0.3200



25.6049, 0.4087, 0.3376

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.



41.5761, 0.3784, 0.3601



41.5761, 0.2569, 0.3200



41.5761, 0.3482, 0.3069

Square

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



41.5761, 0.2569, 0.3200



41.5761, 0.2835, 0.2756



41.5761, 0.3717, 0.3333



41.5761, 0.3401, 0.3881

Rectangle

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



41.5761, 0.2569, 0.3200



41.5761, 0.2557, 0.2812



41.5761, 0.3717, 0.3333



41.5761, 0.3723, 0.3750

Sweetspot

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



41.5777, 0.2569, 0.3200



86.9017, 0.2943, 0.3265



41.7361, 0.3038, 0.4418



18.9415, 0.2923, 0.3262



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.



41.5777, 0.2569, 0.3200



72.5159, 0.2472, 0.3177



28.1527, 0.2479, 0.2618



10.6773, 0.2985, 0.3271



22.9165, 0.2179, 0.3045



0.9362, 0.2197, 0.3108

Inverse Universe

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



26.4530, 0.3237, 0.2385



41.6112, 0.3266, 0.2202



36.3031, 0.3880, 0.3875



9.6829, 0.3149, 0.3081



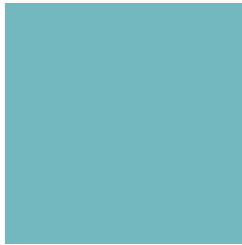
9.3431, 0.3415, 0.1655



0.3699, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 41.5761, 0.2569, 0.3200 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 41.5761, 0.2569, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

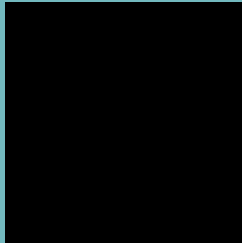
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

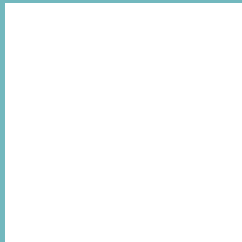
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5761, 0.2569, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 41.5761, 0.2569, 0.3200.

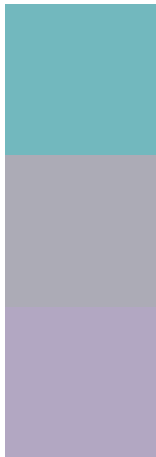


This preview shows how white text looks on a background with the Yxy color 41.5761, 0.2569, 0.3200.

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

41.5761, 0.2569, 0.3200

Protanopia

41.2739, 0.3045, 0.3141

Deuteranopia

40.9975, 0.3001, 0.2936



Tritanopia

41.6572, 0.2531, 0.3071

Trichromacy



Original Color

41.5761, 0.2569, 0.3200

Protanomaly

41.1328, 0.2848, 0.3163

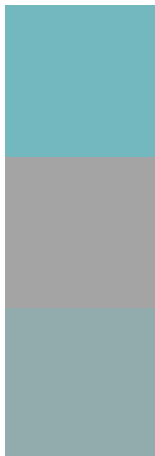
Deuteranomaly

40.7060, 0.2819, 0.3013

Tritanomaly

41.4519, 0.2543, 0.3113

Monochromacy



Original Color

41.5761, 0.2569, 0.3200

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.2539, 0.2894, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5761, 0.2569, 0.3200 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(114, 184, 190)` looks like.

```
.text, #text, p{  
    color:rgb(114, 184, 190)  
}
```

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(114, 184, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 184, 190) }
```

Border

The CSS property to change the border of an element to Yxy 41.5761, 0.2569, 0.3200 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(114, 184, 190) }
```

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

```
.border{ border-color:rgb(114, 184, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 184, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 184, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 184, 190);  
box-shadow:4px 4px 4px 4px rgb(114, 184,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5761, 0.2569, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 184, 190) }
```

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

```
.background{ background-color: rgb(114,  
184, 190) }
```

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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