

Converting Colors

$Y_{xy}(45.7144, 0.2512, 0.3142)$

Have a look what the booklet for
Yxy(45.7144, 0.2512, 0.3142)
contains.

Yxy(45.5218, 0.2507, 0.3132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.5218, 0.2507, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	71C0CB
RGB	113, 192, 203
RGB Percent	44%, 75%, 80%
CMY	0.5570, 0.2470, 0.2038
CMYK	0.44, 0.05, 0.00, 0.20
HSL	187°, 46%, 62%
HSV	187°, 44%, 80%
XYZ	36.4378, 45.5218, 63.3846
YIQ	169.6330, -50.6150, -13.3270

Conversions

Conversions Part 2

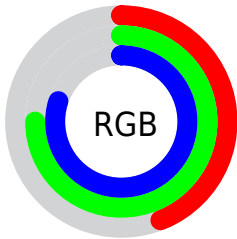
Format	Color
R _{YB}	113, 155, 203
Decimal	7454923
CIE Lab	73.23, -21.41, -13.14
CIE LCh	73, 25.119, 211.550
Yxy	45.5218, 0.2507, 0.3132
Android (android.graphics.Color)	4285645003 (0xFF71C0CB)
YUV	169.6330, 16.4499, -49.6671
Hunter-Lab	67.4698, -21.6715, -8.4711

Details

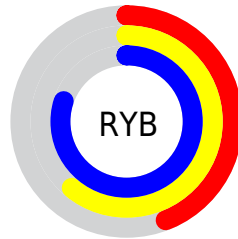
The Yxy color **45.5218, 0.2507, 0.3132** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3035, 0.4228, 0.3436**, and the grayscale version is **39.9389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4064, 0.2639, 0.3223**, and **21.1876, 0.2340, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **43.2426, 0.2400, 0.3091**, and if you desaturate by 10%, it is **48.1241, 0.2630, 0.3172**.

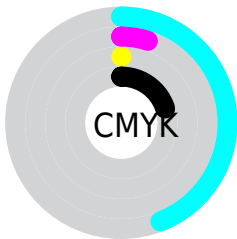
Distribution



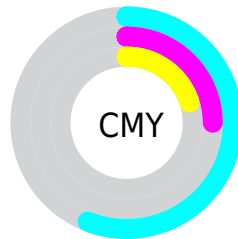
- Red (44%)
- Green (75%)
- Blue (80%)



- Red (44%)
- Yellow (61%)
- Blue (80%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (56%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5218, 0.2507, 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 45.5218, 0.2507, 0.3132 by changing the saturation by 10% instead.


 45.5218, 0.2507,
0.3132


 45.5218, 0.2507,
0.3132


368.8828, 0.2811,
0.3218


 31.8686, 0.2433,
0.3108


 83.5029, 0.2616,
0.3165

 21.2612, 0.2339,
0.3077


 108.5996, 0.2658,
0.3177

 13.3150, 0.2217,
0.3033


 138.2796, 0.2693,
0.3187

 7.6458, 0.2051,
0.2969

172.9272, 0.2723,
0.3195

 3.8692, 0.1816,
0.2867

212.9270, 0.2750,
0.3202

 1.6007, 0.1459,
0.2684

258.6633, 0.2773,

 0.3580, 0.0000,

0.3208

0.2095

310.5204, 0.2793,
0.3213

0.0000, 0.0000,
0.0000

45.5218, 0.2507,
0.3132

45.5218, 0.2507,
0.3132

43.2426, 0.2400,
0.3091

48.1241, 0.2630,
0.3172

41.2609, 0.2309,
0.3048

51.0627, 0.2765,
0.3209

39.5554, 0.2238,
0.3005

54.3566, 0.2909,
0.3244


38.0996, 0.2186,
0.2963


58.0214, 0.3060,
0.3277

36.8614, 0.2152,
0.2920

62.0723, 0.3214,
0.3306

 36.2262, 0.2138,
0.2897

 66.5230, 0.3370,
0.3333

 71.3716, 0.3523,
0.3356

 72.6036, 0.3518,
0.3382

 73.8547, 0.3513,
0.3407

Harmonies

Analogous

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



45.5218, 0.2696, 0.3473



45.5218, 0.2507, 0.3132



45.5218, 0.2475, 0.2863

Triad

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



45.5218, 0.2507, 0.3132



45.5218, 0.3223, 0.2868



45.5218, 0.3660, 0.3871

Complementary

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



45.5218, 0.2507, 0.3132



28.3035, 0.4228, 0.3436

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.



45.5218, 0.3822, 0.3668



45.5218, 0.2507, 0.3132



45.5218, 0.3565, 0.3102

Square

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



45.5218, 0.2507, 0.3132



45.5218, 0.2872, 0.2732



45.5218, 0.3789, 0.3389



45.5218, 0.3357, 0.3920

Rectangle

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



45.5218, 0.2507, 0.3132



45.5218, 0.2544, 0.2755



45.5218, 0.3789, 0.3389



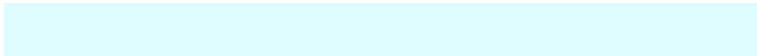
45.5218, 0.3733, 0.3817

Sweetspot

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



45.5236, 0.2507, 0.3132



91.6844, 0.2927, 0.3248



47.6764, 0.3001, 0.4503



19.3454, 0.2894, 0.3241



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.



45.5236, 0.2507, 0.3132



72.6187, 0.2406, 0.3093



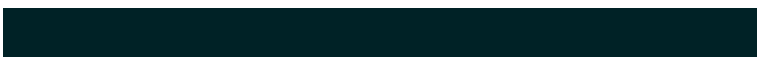
28.8405, 0.2390, 0.2454



12.4835, 0.2983, 0.3261



23.1366, 0.2140, 0.2902



1.2611, 0.2163, 0.2985

Inverse Universe

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



28.3082, 0.3294, 0.2328



40.8569, 0.3337, 0.2149



42.0838, 0.3960, 0.3995



11.3792, 0.3156, 0.3089



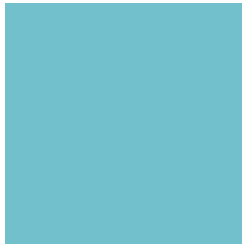
10.1387, 0.3541, 0.1724



0.5299, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 45.5218, 0.2507, 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 45.5218, 0.2507, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

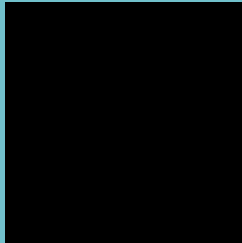
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5218, 0.2507, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 45.5218, 0.2507, 0.3132.

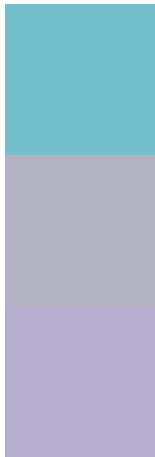


This preview shows how white text looks on a background with the Yxy color 45.5218, 0.2507, 0.3132.

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

45.5218, 0.2507, 0.3132

Protanopia

45.2008, 0.3001, 0.3082

Deuteranopia

45.2322, 0.2944, 0.2887



Tritanopia

45.3440, 0.2488, 0.3063

Trichromacy



Original Color

45.5218, 0.2507, 0.3132

Protanomaly

44.7682, 0.2793, 0.3099

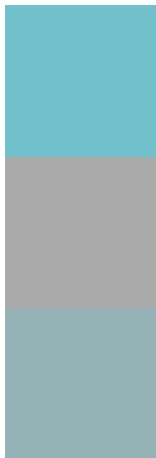
Deuteranomaly

44.7731, 0.2759, 0.2958

Tritanomaly

45.2952, 0.2494, 0.3077

Monochromacy



Original Color

45.5218, 0.2507, 0.3132

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.6077, 0.2856, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5218, 0.2507, 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(113, 192, 203)` looks like.

```
.text, #text, p{  
    color:rgb(113, 192, 203)  
}
```

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(113, 192, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 192, 203) }
```

Border

The CSS property to change the border of an element to Yxy 45.5218, 0.2507, 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(113, 192, 203) }
```

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

```
.border{ border-color:rgb(113, 192, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 192, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 192, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 192, 203);  
box-shadow:4px 4px 4px 4px rgb(113, 192,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5218, 0.2507, 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(113, 192, 203) }
```

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

```
.background{ background-color: rgb(113,  
192, 203) }
```

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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