

Converting Colors

$Y_{xy}(41.2456, 0.2465, 0.3154)$

Have a look what the booklet for
Yxy(41.2456, 0.2465, 0.3154)
contains.

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Color

Yxy(41.2456, 0.2465, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	63B9C2
RGB	99, 185, 194
RGB Percent	39%, 73%, 76%
CMY	0.6115, 0.2745, 0.2393
CMYK	0.49, 0.05, 0.00, 0.24
HSL	186°, 44%, 57%
HSV	186°, 49%, 76%
XYZ	32.2354, 41.2456, 57.2914
YIQ	160.3120, -54.1450, -15.4330

Conversions

Conversions Part 2

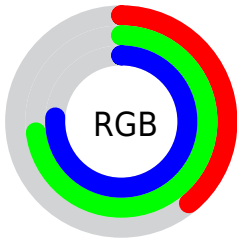
Format	Color
R_{YB}	99, 144, 194
Decimal	6535618
CIE _{Lab}	70.35, -23.50, -12.59
CIE _{LCh}	70, 26.661, 208.174
Yxy	41.2456, 0.2465, 0.3154
Android (android.graphics.Color)	4284725698 (0xFF63B9C2)
YUV	160.3120, 16.6082, -53.7706
Hunter-Lab	64.2227, -22.7951, -7.9351

Details

The Yxy color **41.2456, 0.2465, 0.3154** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.1051, 0.4413, 0.3414**, and the grayscale version is **35.2529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8806, 0.2587, 0.3186**, and **18.7893, 0.2282, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **39.5184, 0.2369, 0.3122**, and if you desaturate by 10%, it is **43.2484, 0.2578, 0.3185**.

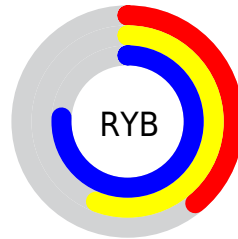
Distribution



Red (39%)

Green (73%)

Blue (76%)



Red (39%)

Yellow (56%)

Blue (76%)

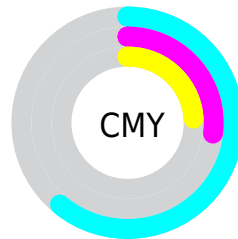


Cyan (49%)

Magenta (5%)

Yellow (0%)

Black (24%)



Cyan (61%)


Magenta (27%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2456, 0.2465, 0.3154 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 41.2456, 0.2465, 0.3154 by changing the saturation by 10% instead.


 41.2456, 0.2465,
0.3154


 41.2456, 0.2465,
0.3154


351.3460, 0.2795,
0.3231


 28.5110, 0.2383,
0.3132


 77.0566, 0.2584,
0.3184


 18.7112, 0.2279,
0.3102


 100.9018, 0.2629,
0.3195

 11.4618, 0.2142,
0.3058


 129.2194, 0.2668,
0.3204

 6.3784, 0.1954,
0.2993

 162.3936, 0.2700,
0.3211

 3.0765, 0.1682,
0.2882

200.8091, 0.2729,
0.3217

 1.1718, 0.1186,
0.2697

244.8500, 0.2754,

 0.0385, 0.0000,

0.3223

0.0401

294.9009, 0.2776,
0.3227

0.0000, 0.0000,
0.0000

41.2456, 0.2465,
0.3154

41.2456, 0.2465,
0.3154

39.5184, 0.2369,
0.3122

43.2484, 0.2578,
0.3185

38.0428, 0.2291,
0.3090

45.5392, 0.2705,
0.3215

36.7987, 0.2232,
0.3057


48.1354, 0.2844,
0.3243


35.7606, 0.2191,
0.3025


51.0517, 0.2991,
0.3269

34.8852, 0.2166,
0.2993


54.3015, 0.3144,
0.3292

 34.7951, 0.2164,
0.2989

 57.8979, 0.3299,
0.3314

 61.8528, 0.3455,
0.3333

 66.1779, 0.3609,
0.3351

 67.1741, 0.3611,
0.3369

Harmonies

Analogous

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



41.2456, 0.2687, 0.3532



41.2456, 0.2465, 0.3154



41.2456, 0.2411, 0.2847

Triad

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



41.2456, 0.2465, 0.3154



41.2456, 0.3186, 0.2807



41.2456, 0.3739, 0.3907

Complementary

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



41.2456, 0.2465, 0.3154



23.1051, 0.4413, 0.3414

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.



41.2456, 0.3897, 0.3669



41.2456, 0.2465, 0.3154



41.2456, 0.3569, 0.3051

Square

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



41.2456, 0.2465, 0.3154



41.2456, 0.2808, 0.2674



41.2456, 0.3836, 0.3359



41.2456, 0.3419, 0.3988

Rectangle

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



41.2456, 0.2465, 0.3154



41.2456, 0.2473, 0.2720



41.2456, 0.3836, 0.3359



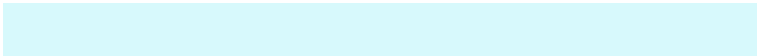
41.2456, 0.3814, 0.3841

Sweetspot

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



41.2472, 0.2465, 0.3154



89.1084, 0.2897, 0.3252



42.2939, 0.3010, 0.4698



19.2716, 0.2866, 0.3247



0.0000, 0.0000, 0.0000



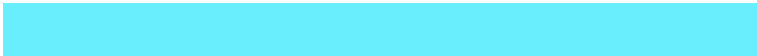
21.4041, 0.3127, 0.3290

Same Dimension

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



41.2472, 0.2465, 0.3154



71.3217, 0.2360, 0.3119



24.9040, 0.2324, 0.2405



11.2601, 0.2984, 0.3268



22.9461, 0.2165, 0.2994



1.0398, 0.2185, 0.3065

Inverse Universe

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



23.9055, 0.3284, 0.2213



36.7742, 0.3325, 0.2015



35.6240, 0.4080, 0.4023



10.2305, 0.3152, 0.3084



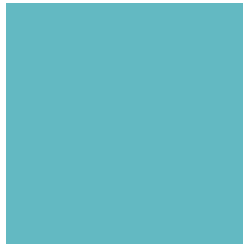
9.5987, 0.3460, 0.1680



0.4196, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 41.2456, 0.2465, 0.3154 looks on a white background.

Color Contrast Check

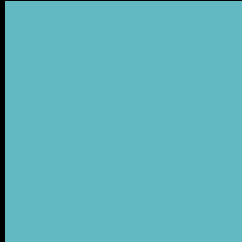
Large Text (above 18pt) WCAG AA × Fail

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 41.2456, 0.2465, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

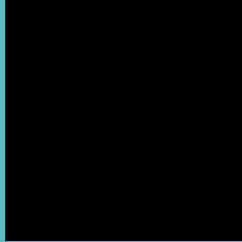
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

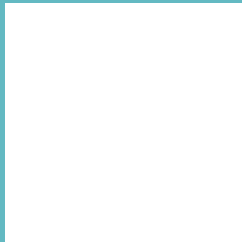
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2456, 0.2465, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 41.2456, 0.2465, 0.3154.



This preview shows how white text looks on a background with the Yxy color 41.2456, 0.2465, 0.3154.

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

41.2456, 0.2465, 0.3154

Protanopia

40.7983, 0.3004, 0.3086

Deuteranopia

40.8286, 0.2944, 0.2883



Tritanopia

41.1712, 0.2445, 0.3067

Trichromacy



Original Color

41.2456, 0.2465, 0.3154

Protanomaly

40.2201, 0.2771, 0.3104

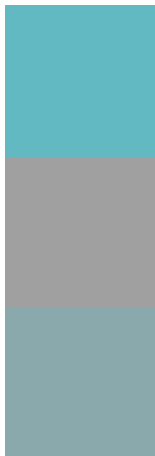
Deuteranomaly

40.5064, 0.2730, 0.2969

Tritanomaly

41.0215, 0.2450, 0.3095

Monochromacy



Original Color

41.2456, 0.2465, 0.3154

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7578, 0.2834, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2456, 0.2465, 0.3154 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(99, 185, 194)` looks like.

```
.text, #text, p{  
    color:rgb(99, 185, 194)  
}
```

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(99, 185, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 185, 194) }
```

Border

The CSS property to change the border of an element to Yxy 41.2456, 0.2465, 0.3154 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(99, 185, 194) }
```

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

```
.border{ border-color:rgb(99, 185, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 185, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 185, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 185, 194);  
box-shadow:4px 4px 4px 4px rgb(99, 185,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2456, 0.2465, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 185, 194) }
```

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

```
.background{ background-color: rgb(99, 185,  
194) }
```

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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