

Converting Colors

$Y_{xy}(39.6965, 0.2237, 0.2973)$

Have a look what the booklet for
Yxy(39.6965, 0.2237, 0.2973)
contains.

Yxy(39.5010, 0.2235, 0.2969)	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(39.5010, 0.2235, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	37B8CD
RGB	55, 184, 205
RGB Percent	22%, 72%, 80%
CMY	0.7842, 0.2784, 0.1961
CMYK	0.73, 0.10, 0.00, 0.20
HSL	188°, 60%, 51%
HSV	188°, 73%, 80%
XYZ	29.7355, 39.5010, 63.8083
YIQ	147.8230, -83.6250, -20.8170

Conversions

Conversions Part 2

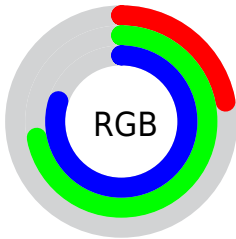
Format	Color
R_{YB}	55, 124, 205
Decimal	3651789
CIE _{Lab}	69.11, -27.44, -20.62
CIE _{LCh}	69, 34.321, 216.929
Yxy	39.5010, 0.2235, 0.2969
Android (android.graphics.Color)	4281841869 (0xFF37B8CD)
YUV	147.8230, 28.1883, -81.4058
Hunter-Lab	62.8498, -25.5353, -16.1993

Details

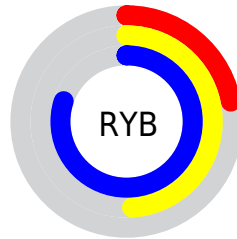
The Yxy color **39.5010, 0.2235, 0.2969** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **18.4262, 0.5414, 0.3506**, and the grayscale version is **29.4478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7511, 0.2422, 0.3113**, and **18.4670, 0.2131, 0.2872** is the 20% darker color. If you saturate the color by 10%, you get **37.8585, 0.2178, 0.2919**, and if you desaturate by 10%, it is **41.4109, 0.2311, 0.3019**.

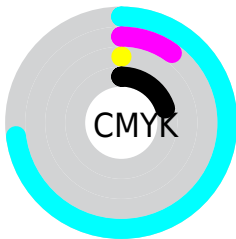
Distribution



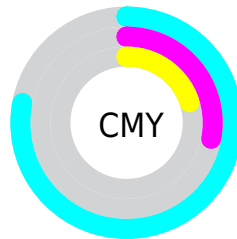
- Red (22%)
- Green (72%)
- Blue (80%)



- Red (22%)
- Yellow (49%)
- Blue (80%)



- Cyan (73%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)





- Cyan (78%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5010, 0.2235, 0.2969 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 39.5010, 0.2235, 0.2969 by changing the saturation by 10% instead.


 39.5010, 0.2235,
0.2969

 39.5010, 0.2235,
0.2969

344.0159, 0.2676,
0.3147

 27.1497, 0.2128,
0.2920


 74.4031, 0.2394,
0.3037

 17.6857, 0.1992,
0.2854


 97.7226, 0.2454,
0.3062


 10.7246, 0.1817,
0.2762


 125.4670, 0.2505,
0.3082

 5.8819, 0.1582,
0.2627

 158.0207, 0.2549,
0.3099

 2.7734, 0.1258,
0.2412

 195.7680, 0.2587,
0.3114

 1.0146, 0.0595,
0.2089

239.0934, 0.2620,

 0.0000, 0.0000,

0.3126

0.0000

288.3812, 0.2650,
0.3137

■ 39.5010, 0.2235,
0.2969

■ 39.5010, 0.2235,
0.2969

■ 37.8585, 0.2178,
0.2919

■ 41.4109, 0.2311,
0.3019

■ 36.4469, 0.2140,
0.2870

■ 43.6106, 0.2406,
0.3067

■ 35.5754, 0.2121,
0.2837

■ 46.1245, 0.2517,
0.3115

■ 48.9735, 0.2643,
0.3160

■ 52.1764, 0.2781,
0.3203

■ 55.7505, 0.2927,
0.3243

■ 59.7119, 0.3079,
0.3279

■ 64.0759, 0.3233,
0.3312

■ 68.8567, 0.3388,
0.3342

Harmonies

Analogous

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



39.5010, 0.2452, 0.3456



39.5010, 0.2235, 0.2969



39.5010, 0.2234, 0.2629

Triad

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



39.5010, 0.2235, 0.2969



39.5010, 0.3351, 0.2752



39.5010, 0.3809, 0.4147

Complementary

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



39.5010, 0.2235, 0.2969



18.4262, 0.5414, 0.3506

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.



39.5010, 0.4096, 0.3868



39.5010, 0.2235, 0.2969



39.5010, 0.3829, 0.3087

Square

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



39.5010, 0.2235, 0.2969



39.5010, 0.2842, 0.2538



39.5010, 0.4110, 0.3483



39.5010, 0.3351, 0.4194

Rectangle

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



39.5010, 0.2235, 0.2969



39.5010, 0.2352, 0.2513



39.5010, 0.4110, 0.3483



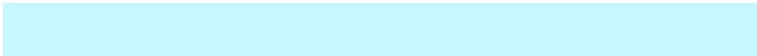
39.5010, 0.3930, 0.4073

Sweetspot

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



39.5024, 0.2235, 0.2969



85.9605, 0.2793, 0.3206



44.9799, 0.2948, 0.5374



18.0748, 0.2754, 0.3195



0.0000, 0.0000, 0.0000



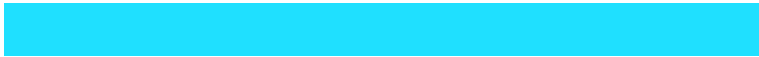
21.4041, 0.3127, 0.3290

Same Dimension

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



39.5024, 0.2235, 0.2969



60.5972, 0.2153, 0.2890



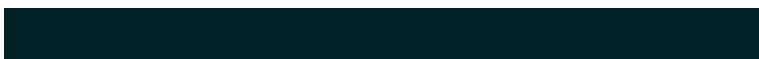
16.3765, 0.1923, 0.1733



12.4489, 0.2983, 0.3257



22.2543, 0.2123, 0.2844



1.2235, 0.2150, 0.2940

Inverse Universe

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



19.1744, 0.3465, 0.1888



27.5789, 0.3548, 0.1775



35.0690, 0.4580, 0.4368



11.3757, 0.3159, 0.3093



10.0496, 0.3594, 0.1754



0.5261, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 39.5010, 0.2235, 0.2969 looks on a white background.

Color Contrast Check

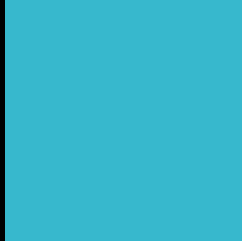
Large Text (above 18pt) WCAG AA × Fail

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 39.5010, 0.2235, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

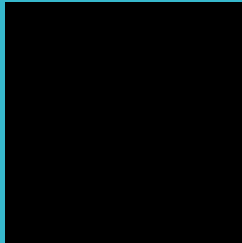
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5010, 0.2235, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 39.5010, 0.2235, 0.2969.



This preview shows how white text looks on a background with the Yxy color 39.5010, 0.2235, 0.2969.

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

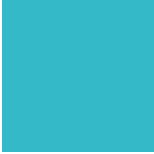
39.5010, 0.2235, 0.2969

Protanopia

38.9092, 0.2880, 0.2921

Deuteranopia

38.8358, 0.2751, 0.2692



Tritanopia

39.5719, 0.2251, 0.3057

Trichromacy



Original Color

39.5010, 0.2235, 0.2969

Protanomaly

38.2034, 0.2565, 0.2939

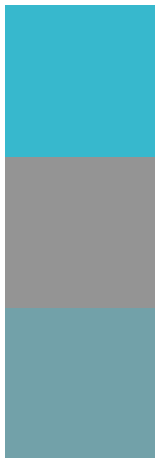
Deuteranomaly

37.8908, 0.2487, 0.2762

Tritanomaly

39.6923, 0.2244, 0.3028

Monochromacy



Original Color

39.5010, 0.2235, 0.2969

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.9317, 0.2656, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5010, 0.2235, 0.2969 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(55, 184, 205)` looks like.

```
.text, #text, p{  
    color:rgb(55, 184, 205)  
}
```

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(55, 184, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 184, 205) }
```

Border

The CSS property to change the border of an element to Yxy 39.5010, 0.2235, 0.2969 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(55, 184, 205) }
```

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

```
.border{ border-color:rgb(55, 184, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 184, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 184, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 184, 205);  
box-shadow:4px 4px 4px 4px rgb(55, 184,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5010, 0.2235, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 184, 205) }
```

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

```
.background{ background-color: rgb(55, 184,  
205) }
```

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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