

Converting Colors

$Yxy(33.0902, 0.2339, 0.3018)$

Have a look what the booklet for
Yxy(33.0902, 0.2339, 0.3018)
contains.

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Color

Yxy(32.9639, 0.2337, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	4AA8B9
RGB	74, 168, 185
RGB Percent	29%, 66%, 73%
CMY	0.7099, 0.3412, 0.2744
CMYK	0.60, 0.09, 0.00, 0.27
HSL	189°, 44%, 51%
HSV	189°, 60%, 73%
XYZ	25.5851, 32.9639, 50.9293
YIQ	141.8320, -61.4810, -14.6410

Conversions

Conversions Part 2

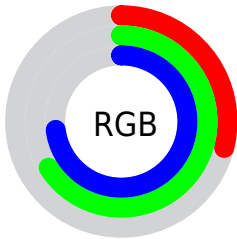
Format	Color
RYB	74, 125, 185
Decimal	4892857
CIELab	64.13, -22.56, -17.09
CIElCh	64, 28.301, 217.154
Yxy	32.9639, 0.2337, 0.3011
Android (android.graphics.Color)	4283082937 (0xFF4AA8B9)
YUV	141.8320, 21.2818, -59.4887
Hunter-Lab	57.4142, -20.9312, -12.4033

Details

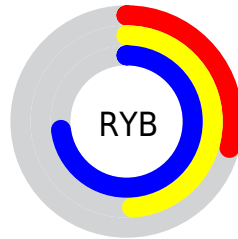
The Yxy color **32.9639, 0.2337, 0.3011** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.2973, 0.4808, 0.3520**, and the grayscale version is **26.9128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1128, 0.2486, 0.3069**, and **14.1567, 0.2143, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **31.2994, 0.2253, 0.2957**, and if you desaturate by 10%, it is **34.8697, 0.2439, 0.3064**.

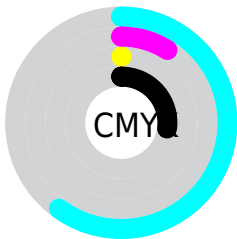
Distribution



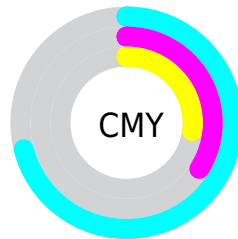
- Red (29%)
- Green (66%)
- Blue (73%)



- Red (29%)
- Yellow (49%)
- Blue (73%)



- Cyan (60%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)



- Cyan (71%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9639, 0.2337, 0.3011 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 32.9639, 0.2337, 0.3011 by changing the saturation by 10% instead.

■ 32.9639, 0.2337,
0.3011

■ 32.9639, 0.2337,
0.3011

■ 315.4870, 0.2742,
0.3169

■ 22.0988, 0.2234,
0.2966

■ 64.3192, 0.2486,
0.3073

■ 13.9295, 0.2100,
0.2903

■ 85.5781, 0.2542,
0.3095

■ 8.0717, 0.1921,
0.2814

■ 111.0705, 0.2588,
0.3113

■ 4.1408, 0.1673,
0.2676

■ 141.1806, 0.2628,
0.3127

■ 1.7527, 0.1311,
0.2444

■ 176.2929, 0.2663,
0.3140

■ 0.4574, 0.0000,
0.1947

216.7919, 0.2693,

■ 0.0000, 0.0000,

0.3151

0.0000

263.0618, 0.2719,
0.3160

■ 32.9639, 0.2337,
0.3011

■ 32.9639, 0.2337,
0.3011

■ 31.2994, 0.2253,
0.2957

■ 34.8697, 0.2439,
0.3064

■ 29.8527, 0.2188,
0.2903

■ 37.0303, 0.2556,
0.3115

■ 28.6020, 0.2141,
0.2849

■ 39.4628, 0.2687,
0.3163

■ 27.5013, 0.2110,
0.2795

■ 42.1812, 0.2827,
0.3209

■ 45.1989, 0.2975,
0.3251

■ 48.5281, 0.3127,
0.3290

■ 52.1805, 0.3280,
0.3325

■ 56.1671, 0.3433,
0.3356

■ 60.4983, 0.3583,
0.3384

Harmonies

Analogous

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



32.9639, 0.2531, 0.3435



32.9639, 0.2337, 0.3011



32.9639, 0.2337, 0.2709

Triad

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



32.9639, 0.2337, 0.3011



32.9639, 0.3329, 0.2815



32.9639, 0.3728, 0.4045

Complementary

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



32.9639, 0.2337, 0.3011



18.2973, 0.4808, 0.3520

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.



32.9639, 0.3977, 0.3809



32.9639, 0.2337, 0.3011



32.9639, 0.3744, 0.3116

Square

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



32.9639, 0.2337, 0.3011



32.9639, 0.2882, 0.2623



32.9639, 0.3988, 0.3470



32.9639, 0.3326, 0.4075

Rectangle

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



32.9639, 0.2337, 0.3011



32.9639, 0.2444, 0.2603



32.9639, 0.3988, 0.3470



32.9639, 0.3833, 0.3984

Sweetspot

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



32.9651, 0.2337, 0.3011



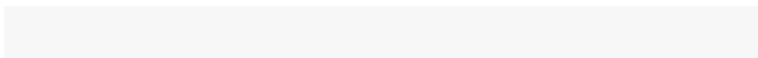
76.4087, 0.2852, 0.3217



36.9151, 0.2950, 0.4939



16.1511, 0.2810, 0.3204



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.9651, 0.2337, 0.3011



55.1768, 0.2230, 0.2940



16.7368, 0.2120, 0.2030



9.9696, 0.2985, 0.3254



18.8051, 0.2112, 0.2802



0.7270, 0.2150, 0.2940

Inverse Universe

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



18.0412, 0.3412, 0.2085



27.3169, 0.3490, 0.1911



31.4211, 0.4273, 0.4254



9.1384, 0.3160, 0.3099



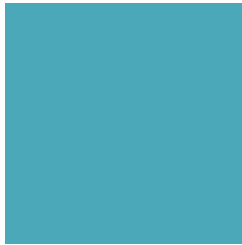
8.6807, 0.3633, 0.1775



0.3125, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 32.9639, 0.2337, 0.3011 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 32.9639, 0.2337, 0.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

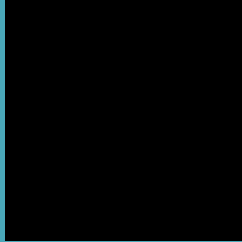
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9639, 0.2337, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 32.9639, 0.2337, 0.3011.



This preview shows how white text looks on a background with the Yxy color 32.9639, 0.2337, 0.3011.

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

32.9639, 0.2337, 0.3011

Protanopia

32.4569, 0.2913, 0.2964

Deuteranopia

32.4827, 0.2805, 0.2745



Tritanopia

32.7991, 0.2349, 0.3058

Trichromacy



Original Color

32.9639, 0.2337, 0.3011

Protanomaly

31.9193, 0.2648, 0.2962

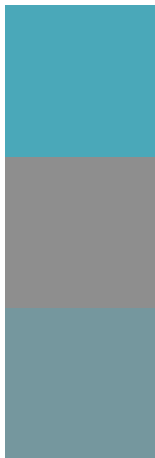
Deuteranomaly

32.0299, 0.2590, 0.2817

Tritanomaly

32.8406, 0.2344, 0.3042

Monochromacy



Original Color

32.9639, 0.2337, 0.3011

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3837, 0.2746, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9639, 0.2337, 0.3011 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(74, 168, 185)` looks like.

```
.text, #text, p{  
    color:rgb(74, 168, 185)  
}
```

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(74, 168, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 168, 185) }
```

Border

The CSS property to change the border of an element to Yxy 32.9639, 0.2337, 0.3011 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(74, 168, 185) }
```

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

```
.border{ border-color:rgb(74, 168, 185) }
```

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

Here you see how a box with a 4 pixel rgb(74, 168, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 168, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 168, 185);  
box-shadow:4px 4px 4px 4px rgb(74, 168,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9639, 0.2337, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 168, 185) }
```

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

```
.background{ background-color: rgb(74, 168,  
185) }
```

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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