

Converting Colors

$Yxy(36.3223, 0.2468, 0.3609)$

Have a look what the booklet for
Yxy(36.3223, 0.2468, 0.3609)
contains.

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Color

Yxy(36.2725, 0.2468, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	3FB4A1
RGB	63, 180, 161
RGB Percent	25%, 71%, 63%
CMY	0.7534, 0.2941, 0.3687
CMYK	0.65, 0.00, 0.11, 0.29
HSL	170°, 48%, 48%
HSV	170°, 65%, 71%
XYZ	24.7979, 36.2725, 39.4074
YIQ	142.8510, -63.6330, -30.7130

Conversions

Conversions Part 2

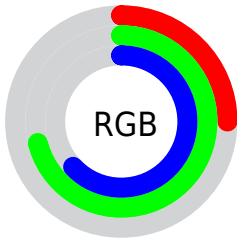
Format	Color
RYB	63, 127, 180
Decimal	4175009
CIELab	66.73, -37.09, 0.11
CIElCh	67, 37.091, 179.838
Yxy	36.2725, 0.2468, 0.3610
Android (android.graphics.Color)	4282365089 (0xFF3FB4A1)
YUV	142.8510, 8.9475, -70.0293
Hunter-Lab	60.2267, -31.9004, 3.3641

Details

The Yxy color **36.2725, 0.2468, 0.3610** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.8555, 0.4867, 0.3049**, and the grayscale version is **27.3770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2339, 0.2592, 0.3540**, and **16.0475, 0.2355, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **35.6742, 0.2424, 0.3667**, and if you desaturate by 10%, it is **37.0697, 0.2531, 0.3554**.

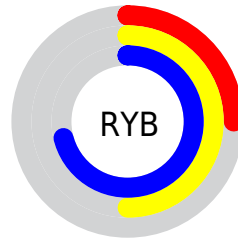
Distribution



Red (25%)

Green (71%)

Blue (63%)



Red (25%)

Yellow (50%)

Blue (71%)

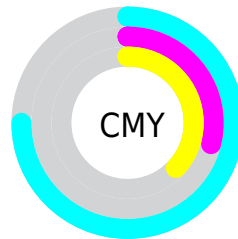


Cyan (65%)

Magenta (0%)

Yellow (11%)

Black (29%)



Cyan (75%)


Magenta (29%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2725, 0.2468, 0.3610 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 36.2725, 0.2468, 0.3610 by changing the saturation by 10% instead.


 36.2725, 0.2468,
0.3610

 36.2725, 0.2468,
0.3610


330.1500, 0.2809,
0.3445

 24.6447, 0.2380,
0.3653


 69.4525, 0.2594,
0.3549


 15.8126, 0.2264,
0.3709

 91.7734, 0.2641,
0.3526

 9.3916, 0.2108,
0.3785


 118.4276, 0.2680,
0.3507

 4.9975, 0.1885,
0.3894

 149.7993, 0.2714,
0.3491

 2.2458, 0.1545,
0.4059

 186.2731, 0.2742,
0.3477

 0.7448, 0.0000,
0.4810

228.2331, 0.2767,

 0.0000, 0.0000,

0.3465

0.0000

276.0640, 0.2789,
0.3454

■ 36.2725, 0.2468,
0.3610

■ 36.2725, 0.2468,
0.3610

■ 35.6742, 0.2424,
0.3667

■ 37.0697, 0.2531,
0.3554

■ 35.2507, 0.2399,
0.3725

■ 38.0785, 0.2611,
0.3499

■ 34.9794, 0.2392,
0.3782

■ 39.3157, 0.2707,
0.3447

■ 34.8750, 0.2392,
0.3810

■ 40.7950, 0.2816,
0.3397

■ 42.5292, 0.2935,
0.3352

■ 44.5301, 0.3061,
0.3310

■ 46.8088, 0.3192,
0.3272

■ 49.3756, 0.3326,
0.3238

■ 52.2405, 0.3459,
0.3207

Harmonies

Analogous

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



36.2725, 0.2946, 0.4112



36.2725, 0.2468, 0.3610



36.2725, 0.2179, 0.3045

Triad

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



36.2725, 0.2468, 0.3610



36.2725, 0.2690, 0.2433



36.2725, 0.4236, 0.3825

Complementary

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



36.2725, 0.2468, 0.3610



13.8555, 0.4867, 0.3049

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.



36.2725, 0.4175, 0.3390



36.2725, 0.2468, 0.3610



36.2725, 0.3235, 0.2628

Square

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



36.2725, 0.2468, 0.3610



36.2725, 0.2301, 0.2423



36.2725, 0.3795, 0.2967



36.2725, 0.3976, 0.4180

Rectangle

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



36.2725, 0.2468, 0.3610



36.2725, 0.2116, 0.2742



36.2725, 0.3795, 0.2967



36.2725, 0.4254, 0.3683

Sweetspot

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



36.2739, 0.2468, 0.3610



75.3835, 0.2871, 0.3375



34.8178, 0.3148, 0.5286



16.1099, 0.2838, 0.3388



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.2739, 0.2468, 0.3610



64.3096, 0.2411, 0.3692



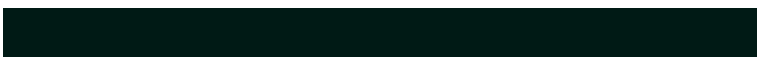
23.3905, 0.2204, 0.2603



9.6074, 0.3007, 0.3327



24.3449, 0.2390, 0.3803



0.7723, 0.2346, 0.3644

Inverse Universe

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



13.8555, 0.4867, 0.3049



20.6147, 0.5470, 0.3061



19.5517, 0.4779, 0.3820



8.5270, 0.3262, 0.3253



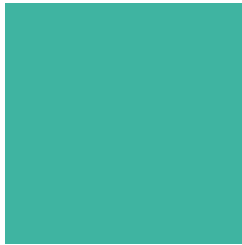
6.8418, 0.6139, 0.3155



0.2222, 0.5471, 0.2787

Previews

White Background



This preview shows how the Yxy color 36.2725, 0.2468, 0.3610 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 36.2725, 0.2468, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

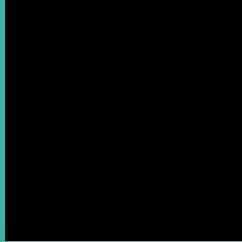
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2725, 0.2468, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 36.2725, 0.2468, 0.3610.

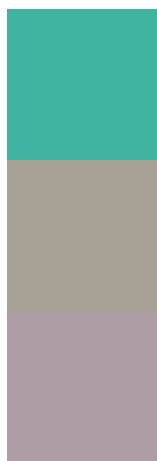


This preview shows how white text looks on a background with the Yxy color 36.2725, 0.2468, 0.3610.

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

36.2725, 0.2468, 0.3610

Protanopia

35.9072, 0.3285, 0.3450

Deuteranopia

35.5288, 0.3212, 0.3150



Tritanopia

36.3049, 0.2349, 0.3067

Trichromacy



Original Color

36.2725, 0.2468, 0.3610

Protanomaly

35.0055, 0.2898, 0.3511

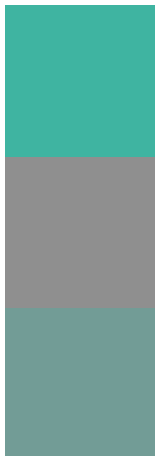
Deuteranomaly

34.6589, 0.2859, 0.3305

Tritanomaly

36.0385, 0.2390, 0.3255

Monochromacy



Original Color

36.2725, 0.2468, 0.3610

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.5563, 0.2792, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2725, 0.2468, 0.3610 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(63, 180, 161)` looks like.

```
.text, #text, p{  
    color:rgb(63, 180, 161)  
}
```

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(63, 180, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 180, 161) }
```

Border

The CSS property to change the border of an element to Yxy 36.2725, 0.2468, 0.3610 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(63, 180, 161) }
```

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

```
.border{ border-color:rgb(63, 180, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 180, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 180, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 180, 161);  
box-shadow:4px 4px 4px 4px rgb(63, 180,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2725, 0.2468, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 180, 161) }
```

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

```
.background{ background-color: rgb(63, 180,  
161) }
```

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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