

Converting Colors

$Yxy(36.9725, 0.2353, 0.3272)$

Have a look what the booklet for
Yxy(36.9725, 0.2353, 0.3272)
contains.

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Color

Yxy(36.9708, 0.2353, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	3DB4B5
RGB	61, 180, 181
RGB Percent	24%, 71%, 71%
CMY	0.7605, 0.2941, 0.2903
CMYK	0.66, 0.01, 0.00, 0.29
HSL	180°, 50%, 47%
HSV	180°, 66%, 71%
XYZ	26.5869, 36.9708, 49.4338
YIQ	144.5330, -71.2450, -24.9170

Conversions

Conversions Part 2

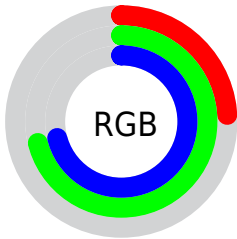
Format	Color
RYB	61, 121, 181
Decimal	4043957
CIELab	67.26, -31.86, -10.17
CIElCh	67, 33.444, 197.708
Yxy	36.9708, 0.2353, 0.3272
Android (android.graphics.Color)	4282234037 (0xFF3DB4B5)
YUV	144.5330, 17.9782, -73.2584
Hunter-Lab	60.8036, -28.3557, -5.6406

Details

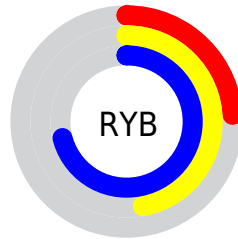
The Yxy color **36.9708, 0.2353, 0.3272** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **13.6083, 0.5255, 0.3308**, and the grayscale version is **28.0721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3904, 0.2494, 0.3276**, and **16.7373, 0.2240, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **36.4318, 0.2299, 0.3269**, and if you desaturate by 10%, it is **37.7065, 0.2426, 0.3275**.

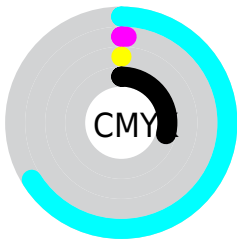
Distribution



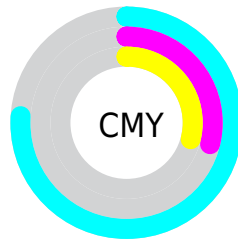
- Red (24%)
- Green (71%)
- Blue (71%)



- Red (24%)
- Yellow (47%)
- Blue (71%)



- Cyan (66%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)





- Cyan (76%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9708, 0.2353, 0.3272 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 36.9708, 0.2353, 0.3272 by changing the saturation by 10% instead.


 36.9708, 0.2353,
0.3272


 36.9708, 0.2353,
0.3272

333.1841, 0.2745,
0.3292


 25.1849, 0.2254,
0.3263


 70.5279, 0.2496,
0.3282

 16.2149, 0.2127,
0.3249


 93.0678, 0.2550,
0.3285

 9.6763, 0.1959,
0.3226


 119.9612, 0.2595,
0.3287

 5.1849, 0.1725,
0.3185

 151.5925, 0.2634,
0.3289

 2.3561, 0.1387,
0.3101

 188.3460, 0.2667,
0.3290

 0.8032, 0.0000,
0.3172

230.6062, 0.2697,

 0.0000, 0.0000,

0.3291

0.0000

278.7574, 0.2722,
0.3291

■ 36.9708, 0.2353,
0.3272

■ 36.9708, 0.2353,
0.3272

■ 36.4318, 0.2299,
0.3269

■ 37.7065, 0.2426,
0.3275

■ 36.0648, 0.2264,
0.3267

■ 38.6522, 0.2517,
0.3278

■ 35.8445, 0.2245,
0.3264

■ 39.8250, 0.2625,
0.3281

■ 35.7786, 0.2240,
0.3263

■ 41.2390, 0.2749,
0.3283

■ 42.9071, 0.2885,
0.3286

■ 44.8414, 0.3032,
0.3289

■ 47.0532, 0.3185,
0.3291

■ 49.5531, 0.3343,
0.3293

■ 52.3512, 0.3503,
0.3295

Harmonies

Analogous

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



36.9708, 0.2695, 0.3776



36.9708, 0.2353, 0.3272



36.9708, 0.2213, 0.2827

Triad

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



36.9708, 0.2353, 0.3272



36.9708, 0.3018, 0.2600



36.9708, 0.4017, 0.3984

Complementary

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



36.9708, 0.2353, 0.3272



13.6083, 0.5255, 0.3308

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.



36.9708, 0.4136, 0.3626



36.9708, 0.2353, 0.3272



36.9708, 0.3534, 0.2862

Square

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



36.9708, 0.2353, 0.3272



36.9708, 0.2571, 0.2487



36.9708, 0.3957, 0.3226



36.9708, 0.3656, 0.4193

Rectangle

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



36.9708, 0.2353, 0.3272



36.9708, 0.2240, 0.2625



36.9708, 0.3957, 0.3226



36.9708, 0.4088, 0.3875

Sweetspot

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



36.9722, 0.2353, 0.3272



75.5972, 0.2828, 0.3285



34.3677, 0.3028, 0.5395



16.1621, 0.2790, 0.3284



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.



36.9722, 0.2353, 0.3272



64.9702, 0.2283, 0.3268



18.0102, 0.2102, 0.2213



9.6195, 0.2986, 0.3288



24.6796, 0.2240, 0.3263



0.7803, 0.2242, 0.3270

Inverse Universe

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



16.4613, 0.3209, 0.1824



25.7021, 0.3220, 0.1657



23.8384, 0.4594, 0.4097



8.6455, 0.3139, 0.3067



9.0316, 0.3229, 0.1553



0.2845, 0.3223, 0.1549

Previews

White Background



This preview shows how the Yxy color 36.9708, 0.2353, 0.3272 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 36.9708, 0.2353, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

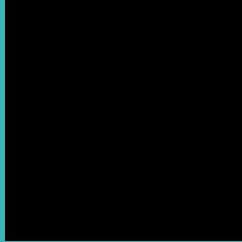
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

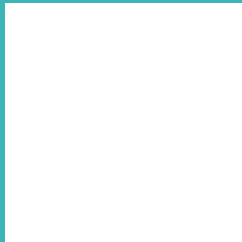
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9708, 0.2353, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 36.9708, 0.2353, 0.3272.

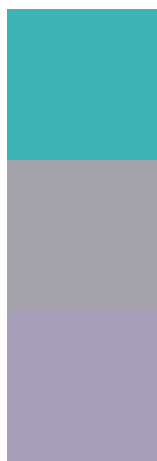


This preview shows how white text looks on a background with the Yxy color 36.9708, 0.2353, 0.3272.

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

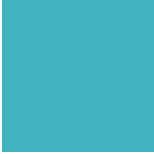
36.9708, 0.2353, 0.3272

Protanopia

36.5295, 0.3067, 0.3176

Deuteranopia

36.2144, 0.2968, 0.2903



Tritanopia

36.8843, 0.2305, 0.3052

Trichromacy



Original Color

36.9708, 0.2353, 0.3272



Protanomaly

35.8675, 0.2725, 0.3212



Deuteranomaly

35.3223, 0.2665, 0.3018



Tritanomaly

37.0381, 0.2322, 0.3129

Monochromacy



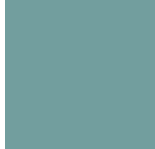
Original Color

36.9708, 0.2353, 0.3272



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.4997, 0.2732, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9708, 0.2353, 0.3272 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(61, 180, 181)` looks like.

```
.text, #text, p{  
    color:rgb(61, 180, 181)  
}
```

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(61, 180, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 180, 181) }
```

Border

The CSS property to change the border of an element to Yxy 36.9708, 0.2353, 0.3272 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(61, 180, 181) }
```

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

```
.border{ border-color:rgb(61, 180, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 180, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 180, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 180, 181);  
box-shadow:4px 4px 4px 4px rgb(61, 180,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9708, 0.2353, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 180, 181) }
```

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

```
.background{ background-color: rgb(61, 180,  
181) }
```

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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