

Converting Colors

$Yxy(40.4091, 0.1650, 0.3022)$

Have a look what the booklet for
Yxy(40.4091, 0.1650, 0.3022)
contains.

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Color

Yxy(45.7531, 0.2182, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	01C7D7
RGB	1, 199, 215
RGB Percent	0%, 78%, 84%
CMY	0.9960, 0.2197, 0.1568
CMYK	1.00, 0.07, 0.00, 0.16
HSL	184°, 99%, 42%
HSV	184°, 100%, 84%
XYZ	32.7001, 45.7531, 71.4096
YIQ	141.6220, -123.1440, -37.0000

Conversions

Conversions Part 2

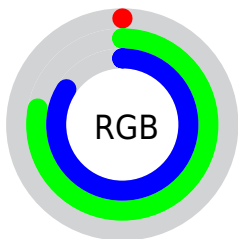
Format	Color
RYB	1, 104, 215
Decimal	116695
CIELab	73.39, -34.93, -19.65
CIELCh	73, 40.076, 209.366
Yxy	45.7531, 0.2182, 0.3053
Android (android.graphics.Color)	4278306775 (0xFF01C7D7)
YUV	141.6220, 36.1754, -123.3255
Hunter-Lab	67.6410, -32.0786, -15.2446

Details

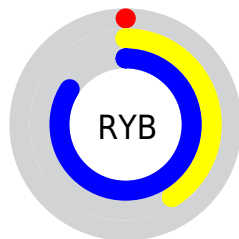
The Yxy color **45.7531, 0.2182, 0.3053** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.8551, 0.6345, 0.3338**, and the grayscale version is **26.7858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **22.4846, 0.2160, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **45.7126, 0.2181, 0.3052**, and if you desaturate by 10%, it is **46.6700, 0.2203, 0.3078**.

Distribution



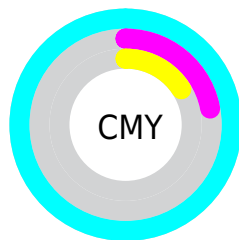
- Red (0%)
- Green (78%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7531, 0.2182, 0.3053 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 45.7531, 0.2182, 0.3053 by changing the saturation by 10% instead.


 45.7531, 0.2182,
0.3053

 45.7531, 0.2182,
0.3053


369.8151, 0.2637,
0.3187

 32.0510, 0.2075,
0.3015


 83.8494, 0.2343,
0.3105

 21.4005, 0.1941,
0.2964


 109.0124, 0.2405,
0.3124


 13.4171, 0.1771,
0.2894


 138.7644, 0.2457,
0.3139

 7.7164, 0.1548,
0.2789

 173.4900, 0.2503,
0.3152

 3.9140, 0.1250,
0.2624

 213.5735, 0.2543,
0.3163

 1.6256, 0.0804,
0.2351

259.3992, 0.2578,

 0.3747, 0.0000,

0.3172

0.1555

311.3517, 0.2609,
0.3180

■ 0.0000, 0.0000,
0.0000

■ 45.7531, 0.2182,
0.3053

■ 45.7531, 0.2182,
0.3053

■ 45.7126, 0.2181,
0.3052

■ 46.6700, 0.2203,
0.3078

■ 47.7826, 0.2239,
0.3103

■ 49.1496, 0.2294,
0.3129

■ 50.8043, 0.2368,
0.3155

■ 52.7752, 0.2461,
0.3180

■ 55.0870, 0.2571,
0.3205

■ 57.7622, 0.2696,
0.3228

■ 60.8209, 0.2834,
0.3251

■ 64.2823, 0.2981,
0.3272

Harmonies

Analogous

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



45.7531, 0.2474, 0.3619



45.7531, 0.2182, 0.3053



45.7531, 0.2123, 0.2630

Triad

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



45.7531, 0.2182, 0.3053



45.7531, 0.3226, 0.2624



45.7531, 0.3982, 0.4176

Complementary

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



45.7531, 0.2182, 0.3053



14.8551, 0.6345, 0.3338

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.



45.7531, 0.4237, 0.3818



45.7531, 0.2182, 0.3053



45.7531, 0.3787, 0.2961

Square

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



45.7531, 0.2182, 0.3053



45.7531, 0.2683, 0.2431



45.7531, 0.4171, 0.3383



45.7531, 0.3507, 0.4318

Rectangle

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



45.7531, 0.2182, 0.3053



45.7531, 0.2213, 0.2468



45.7531, 0.4171, 0.3383



45.7531, 0.4098, 0.4073

Sweetspot

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



45.7548, 0.2182, 0.3053



84.6618, 0.2686, 0.3227



48.6525, 0.2990, 0.5960



17.7520, 0.2632, 0.3217



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.



45.7548, 0.2182, 0.3053



67.1507, 0.2180, 0.3049



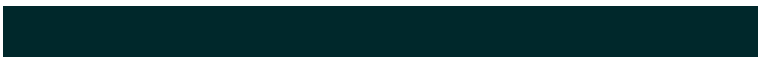
12.8766, 0.1711, 0.1354



13.9412, 0.2983, 0.3272



27.4053, 0.2182, 0.3056



1.7015, 0.2194, 0.3099

Inverse Universe

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



18.5952, 0.3408, 0.1652



27.3100, 0.3411, 0.1653



28.4428, 0.5217, 0.4236



12.6159, 0.3149, 0.3077



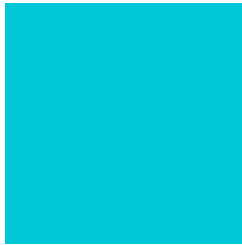
11.1114, 0.3405, 0.1650



0.6751, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 45.7531, 0.2182, 0.3053 looks on a white background.

Color Contrast Check

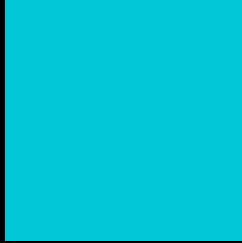
Large Text (above 18pt) WCAG AA × Fail

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 45.7531, 0.2182, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

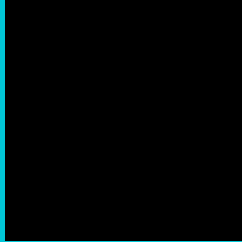
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7531, 0.2182, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 45.7531, 0.2182, 0.3053.



This preview shows how white text looks on a background with the Yxy color 45.7531, 0.2182, 0.3053.

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

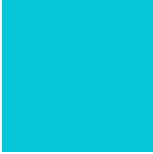
45.7596, 0.2182, 0.3053

Protanopia

45.2879, 0.2932, 0.2993

Deuteranopia

44.9412, 0.2786, 0.2726



Tritanopia

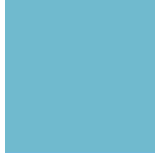
45.7854, 0.2184, 0.3054

Trichromacy



Original Color

45.7596, 0.2182, 0.3053



Protanomaly

43.0188, 0.2470, 0.3003



Deuteranomaly

42.7877, 0.2401, 0.2816



Tritanomaly

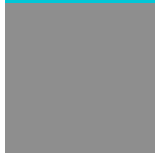
45.7790, 0.2184, 0.3054

Monochromacy



Original Color

45.7596, 0.2182, 0.3053



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.2831, 0.2504, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7531, 0.2182, 0.3053 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(1, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 199, 215)  
}
```

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(1, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 199, 215) }
```

Border

The CSS property to change the border of an element to Yxy 45.7531, 0.2182, 0.3053 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(1, 199, 215) }
```

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

```
.border{ border-color:rgb(1, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 199,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7531, 0.2182, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 199, 215) }
```

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

```
.background{ background-color: rgb(1, 199,  
215) }
```

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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