

Converting Colors

$Y_{xy}(40.7494, 0.2203, 0.3299)$

Have a look what the booklet for
Yxy(40.7494, 0.2203, 0.3299)
contains.

| | |
|--|----|
| Yxy(41.0232, 0.2247, 0.3287) | 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(41.0232, 0.2247, 0.3287)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01BFBF |
| RGB | 1, 191, 191 |
| RGB Percent | 0%, 75%, 75% |
| CMY | 0.9966, 0.2510, 0.2509 |
| CMYK | 1.00, 0.00, 0.00, 0.25 |
| HSL | 180°, 99%, 38% |
| HSV | 180°, 100%, 75% |
| XYZ | 28.0435, 41.0232, 55.7376 |
| YIQ | 134.1900, -113.2400, -40.2800 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 1, 96, 191 |
| Decimal | 114623 |
| CIELab | 70.19, -38.65, -11.38 |
| CIELCh | 70, 40.294, 196.409 |
| Yxy | 41.0232, 0.2247, 0.3287 |
| Android (android.graphics.Color) | 4278304703 (0xFF01BFBF) |
| YUV | 134.1900, 28.0073, -116.8076 |
| Hunter-Lab | 64.0494, -33.9314, -6.7614 |

Details

The Yxy color **41.0232, 0.2247, 0.3287** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.0994, 0.6393, 0.3300**, and the grayscale version is **23.8223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7338, 0.2406, 0.3300**, and **19.7263, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **41.0191, 0.2246, 0.3287**, and if you desaturate by 10%, it is **41.1686, 0.2261, 0.3287**.

Distribution



- Red (0%)
- Green (75%)
- Blue (75%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0232, 0.2247, 0.3287 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 41.0232, 0.2247, 0.3287 by changing the saturation by 10% instead.


 41.0232, 0.2247,
0.3287

 41.0232, 0.2247,
0.3287

350.4176, 0.2683,
0.3302


 28.3372, 0.2140,
0.3279


 76.7191, 0.2404,
0.3296

 18.5800, 0.2005,
0.3265


 100.4978, 0.2463,
0.3298


 11.3672, 0.1830,
0.3243


 128.7429, 0.2514,
0.3300

 6.3144, 0.1593,
0.3202

 161.8387, 0.2557,
0.3301

 3.0372, 0.1262,
0.3121

 200.1697, 0.2595,
0.3301

 1.1512, 0.0345,
0.3078

244.1203, 0.2628,

 0.0213, 0.0000,

0.3302

0.0253

294.0748, 0.2657,
0.3302

■ 0.0000, 0.0000,
0.0000

■ 41.0232, 0.2247,
0.3287

■ 41.0232, 0.2247,
0.3287

■ 41.0191, 0.2246,
0.3287

■ 41.1686, 0.2261,
0.3287

■ 41.4539, 0.2290,
0.3287

■ 41.9270, 0.2336,
0.3287

■ 42.6125, 0.2401,
0.3288

■ 43.5315, 0.2485,
0.3288

■ 44.7026, 0.2587,
0.3288

■ 46.1423, 0.2706,
0.3289

■ 47.8660, 0.2838,
0.3289

■ 49.8877, 0.2982,
0.3290

Harmonies

Analogous

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



41.0232, 0.2643, 0.3885



41.0232, 0.2247, 0.3287



41.0232, 0.2081, 0.2764

Triad

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



41.0232, 0.2247, 0.3287



41.0232, 0.2971, 0.2492



41.0232, 0.4167, 0.4065

Complementary

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



41.0232, 0.2247, 0.3287



11.0994, 0.6393, 0.3300

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.



41.0232, 0.4299, 0.3643



41.0232, 0.2247, 0.3287



41.0232, 0.3572, 0.2782

Square

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



41.0232, 0.2247, 0.3287



41.0232, 0.2466, 0.2370



41.0232, 0.4078, 0.3188



41.0232, 0.3753, 0.4335

Rectangle

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



41.0232, 0.2247, 0.3287



41.0232, 0.2106, 0.2531



41.0232, 0.4078, 0.3188



41.0232, 0.4248, 0.3934

Sweetspot

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



41.0247, 0.2247, 0.3287



82.3678, 0.2694, 0.3289



37.2751, 0.3000, 0.5997



17.8366, 0.2642, 0.3288



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.0247, 0.2247, 0.3287



73.4533, 0.2246, 0.3287



12.1225, 0.1774, 0.1582



10.8094, 0.2985, 0.3290



26.9530, 0.2246, 0.3287



1.0558, 0.2246, 0.3287

Inverse Universe

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



14.8581, 0.3209, 0.1543



26.5729, 0.3210, 0.1542



19.4348, 0.5401, 0.4089



9.6963, 0.3138, 0.3064



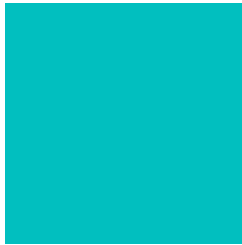
9.7506, 0.3210, 0.1542



0.3819, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 41.0232, 0.2247, 0.3287 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 41.0232, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

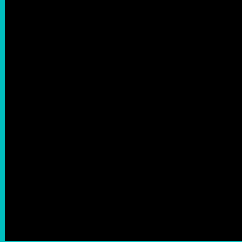
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0232, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 41.0232, 0.2247, 0.3287.



This preview shows how white text looks on a background with the Yxy color 41.0232, 0.2247, 0.3287.

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

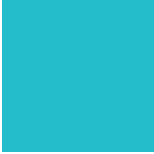
41.0296, 0.2247, 0.3287

Protanopia

40.2482, 0.3070, 0.3167

Deuteranopia

40.3023, 0.2943, 0.2881



Tritanopia

41.1122, 0.2217, 0.3059

Trichromacy



Original Color

41.0296, 0.2247, 0.3287



Protanomaly

38.1144, 0.2564, 0.3197



Deuteranomaly

37.9796, 0.2499, 0.2990



Tritanomaly

41.1326, 0.2225, 0.3148

Monochromacy



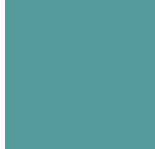
Original Color

41.0296, 0.2247, 0.3287



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.7877, 0.2541, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0232, 0.2247, 0.3287 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, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 191)  
}
```

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, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 191) }
```

Border

The CSS property to change the border of an element to Yxy 41.0232, 0.2247, 0.3287 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, 191, 191) }
```

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

```
.border{ border-color:rgb(1, 191, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0232, 0.2247, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 191) }
```

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

```
.background{ background-color: rgb(1, 191,  
191) }
```

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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