

Converting Colors

$Y_{xy}(35.8927, 0.2359, 0.3525)$

Have a look what the booklet for
Yxy(35.8927, 0.2359, 0.3525)
contains.

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Color

Yxy(35.7708, 0.2360, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	24B4A6
RGB	36, 180, 166
RGB Percent	14%, 71%, 65%
CMY	0.8582, 0.2941, 0.3491
CMYK	0.80, 0.00, 0.08, 0.29
HSL	174°, 67%, 42%
HSV	174°, 80%, 71%
XYZ	23.9351, 35.7708, 41.7140
YIQ	135.3480, -81.3300, -34.8820

Conversions

Conversions Part 2

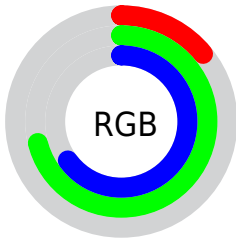
Format	Color
RYB	36, 112, 180
Decimal	2405542
CIELab	66.34, -39.19, -3.28
CIELCh	66, 39.326, 184.790
Yxy	35.7708, 0.2360, 0.3527
Android (android.graphics.Color)	4280595622 (0xFF24B4A6)
YUV	135.3480, 15.1114, -87.1282
Hunter-Lab	59.8087, -33.2305, 0.5138

Details

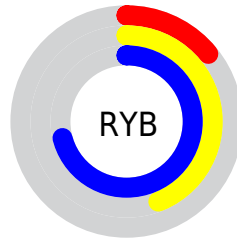
The Yxy color **35.7708, 0.2360, 0.3527** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.2068, 0.5662, 0.3167**, and the grayscale version is **24.3484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3995, 0.2504, 0.3478**, and **16.1366, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **35.4604, 0.2339, 0.3560**, and if you desaturate by 10%, it is **36.2478, 0.2400, 0.3494**.

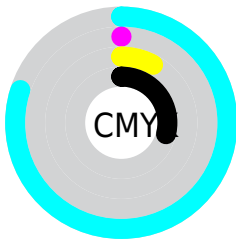
Distribution



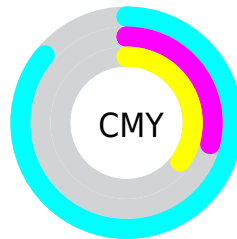
- Red (14%)
- Green (71%)
- Blue (65%)



- Red (14%)
- Yellow (44%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (29%)



- Cyan (86%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7708, 0.2360, 0.3527 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 35.7708, 0.2360, 0.3527 by changing the saturation by 10% instead.


 35.7708, 0.2360,
0.3527


 35.7708, 0.2360,
0.3527


327.9576, 0.2754,
0.3409


 24.2572, 0.2259,
0.3556


 68.6782, 0.2505,
0.3485

 15.5245, 0.2128,
0.3592


 90.8407, 0.2559,
0.3469


 9.1883, 0.1951,
0.3639


 117.3218, 0.2605,
0.3455

 4.8642, 0.1703,
0.3700

 148.5057, 0.2643,
0.3443

 2.1678, 0.1331,
0.3781

 184.7768, 0.2677,
0.3433

 0.7024, 0.0000,
0.4139

226.5196, 0.2706,

 0.0000, 0.0000,

0.3424

0.0000

274.1184, 0.2732,
0.3416

■ 35.7708, 0.2360,
0.3527

■ 35.7708, 0.2360,
0.3527

■ 35.4604, 0.2339,
0.3560

■ 36.2478, 0.2400,
0.3494

■ 35.2682, 0.2332,
0.3593

■ 36.9087, 0.2458,
0.3461

■ 35.2665, 0.2331,
0.3593

■ 37.7731, 0.2535,
0.3429

■ 38.8571, 0.2629,
0.3397

■ 40.1751, 0.2738,
0.3367

■ 41.7404, 0.2859,
0.3339

■ 43.5650, 0.2990,
0.3314

■ 45.6604, 0.3128,
0.3290

■ 48.0374, 0.3271,
0.3268

Harmonies

Analogous

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



35.7708, 0.2838, 0.4099



35.7708, 0.2360, 0.3527



35.7708, 0.2097, 0.2937

Triad

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



35.7708, 0.2360, 0.3527



35.7708, 0.2749, 0.2406



35.7708, 0.4281, 0.3922

Complementary

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



35.7708, 0.2360, 0.3527



11.2068, 0.5662, 0.3167

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.



35.7708, 0.4279, 0.3467



35.7708, 0.2360, 0.3527



35.7708, 0.3342, 0.2640

Square

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



35.7708, 0.2360, 0.3527



35.7708, 0.2305, 0.2359



35.7708, 0.3924, 0.3015



35.7708, 0.3954, 0.4278

Rectangle

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



35.7708, 0.2360, 0.3527



35.7708, 0.2058, 0.2640



35.7708, 0.3924, 0.3015



35.7708, 0.4321, 0.3775

Sweetspot

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



35.7722, 0.2360, 0.3527



74.3516, 0.2803, 0.3352



33.4619, 0.3067, 0.5706



15.8591, 0.2761, 0.3362



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.



35.7722, 0.2360, 0.3527



64.0356, 0.2334, 0.3585



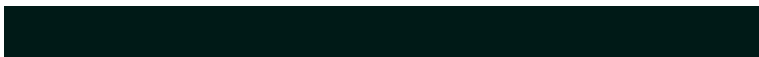
17.7071, 0.2012, 0.2229



9.6170, 0.2998, 0.3312



24.6203, 0.2330, 0.3589



0.7788, 0.2305, 0.3497

Inverse Universe

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



11.2068, 0.5662, 0.3167



17.8985, 0.6231, 0.3234



17.7836, 0.5161, 0.3970



8.5183, 0.3272, 0.3268



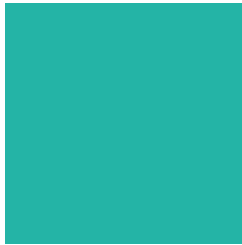
6.8065, 0.6268, 0.3227



0.2185, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 35.7708, 0.2360, 0.3527 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 35.7708, 0.2360, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

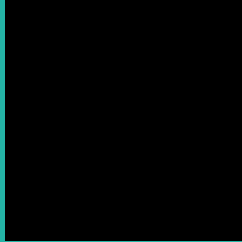
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7708, 0.2360, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 35.7708, 0.2360, 0.3527.

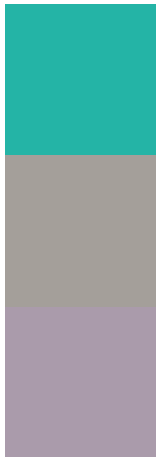


This preview shows how white text looks on a background with the Yxy color 35.7708, 0.2360, 0.3527.

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

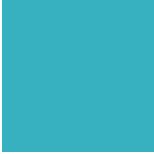
35.7708, 0.2360, 0.3527

Protanopia

35.0219, 0.3221, 0.3363

Deuteranopia

34.9290, 0.3128, 0.3065



Tritanopia

35.6245, 0.2267, 0.3047

Trichromacy



Original Color

35.7708, 0.2360, 0.3527

Protanomaly

33.9576, 0.2777, 0.3434

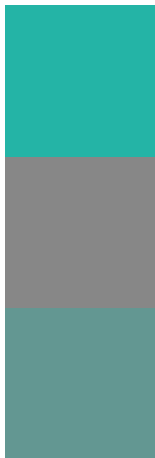
Deuteranomaly

33.4804, 0.2715, 0.3210

Tritanomaly

35.4501, 0.2295, 0.3205

Monochromacy



Original Color

35.7708, 0.2360, 0.3527

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.8612, 0.2691, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7708, 0.2360, 0.3527 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(36, 180, 166)` looks like.

```
.text, #text, p{  
    color:rgb(36, 180, 166)  
}
```

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(36, 180, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 180, 166) }
```

Border

The CSS property to change the border of an element to Yxy 35.7708, 0.2360, 0.3527 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(36, 180, 166) }
```

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

```
.border{ border-color:rgb(36, 180, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 180, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 180, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 180, 166);  
box-shadow:4px 4px 4px 4px rgb(36, 180,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7708, 0.2360, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 180, 166) }
```

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

```
.background{ background-color: rgb(36, 180,  
166) }
```

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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