

Converting Colors

$Y_{xy}(35.6924, 0.2268, 0.3187)$

Have a look what the booklet for
Yxy(35.6924, 0.2268, 0.3187)
contains.

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Color

Yxy(35.7328, 0.2268, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	27B2B8
RGB	39, 178, 184
RGB Percent	15%, 70%, 72%
CMY	0.8464, 0.3020, 0.2784
CMYK	0.79, 0.03, 0.00, 0.28
HSL	182°, 65%, 44%
HSV	182°, 79%, 72%
XYZ	25.4130, 35.7328, 50.9044
YIQ	137.1230, -84.7700, -27.6020

Conversions

Conversions Part 2

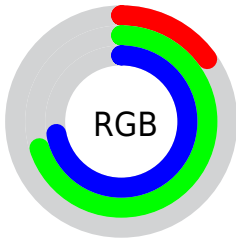
Format	Color
RYB	39, 110, 184
Decimal	2601656
CIELab	66.32, -32.69, -13.30
CIELCh	66, 35.296, 202.140
Yxy	35.7328, 0.2268, 0.3189
Android (android.graphics.Color)	4280791736 (0xFF27B2B8)
YUV	137.1230, 23.1104, -86.0539
Hunter-Lab	59.7769, -28.7238, -8.6459

Details

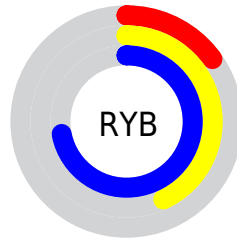
The Yxy color **35.7328, 0.2268, 0.3189** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2275, 0.5777, 0.3351**, and the grayscale version is **25.0183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5164, 0.2426, 0.3214**, and **16.3059, 0.2209, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **35.1537, 0.2233, 0.3175**, and if you desaturate by 10%, it is **36.4905, 0.2321, 0.3203**.

Distribution



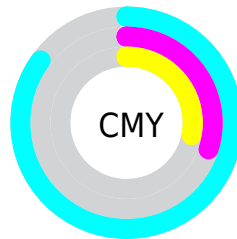
- Red (15%)
- Green (70%)
- Blue (72%)



- Red (15%)
- Yellow (43%)
- Blue (72%)



- Cyan (79%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (85%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7328, 0.2268, 0.3189 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 35.7328, 0.2268, 0.3189 by changing the saturation by 10% instead.


 35.7328, 0.2268,
0.3189

 35.7328, 0.2268,
0.3189


327.7912, 0.2703,
0.3255

 24.2279, 0.2159,
0.3167


 68.6194, 0.2427,
0.3217

 15.5028, 0.2019,
0.3135


 90.7700, 0.2486,
0.3226


 9.1730, 0.1834,
0.3087


 117.2379, 0.2536,
0.3234

 4.8542, 0.1580,
0.3007

 148.4075, 0.2579,
0.3240

 2.1620, 0.1219,
0.2861

 184.6632, 0.2617,
0.3244

 0.6991, 0.0000,
0.2701

226.3895, 0.2649,

 0.0000, 0.0000,

0.3249

0.0000

273.9707, 0.2678,
0.3252

■ 35.7328, 0.2268,
0.3189

■ 35.7328, 0.2268,
0.3189

■ 35.1537, 0.2233,
0.3175

■ 36.4905, 0.2321,
0.3203

■ 34.7111, 0.2213,
0.3162

■ 37.4451, 0.2393,
0.3217

■ 34.6573, 0.2211,
0.3160

■ 38.6168, 0.2483,
0.3231

■ 40.0224, 0.2591,
0.3244

■ 41.6769, 0.2714,
0.3257

■ 43.5941, 0.2849,
0.3269

■ 45.7869, 0.2995,
0.3281

■ 48.2670, 0.3147,
0.3291

■ 51.0459, 0.3303,
0.3301

Harmonies

Analogous

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



35.7328, 0.2600, 0.3735



35.7328, 0.2268, 0.3189



35.7328, 0.2155, 0.2739

Triad

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



35.7328, 0.2268, 0.3189



35.7328, 0.3089, 0.2591



35.7328, 0.4030, 0.4072

Complementary

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



35.7328, 0.2268, 0.3189



12.2275, 0.5777, 0.3351

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.



35.7328, 0.4204, 0.3703



35.7328, 0.2268, 0.3189



35.7328, 0.3638, 0.2887

Square

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



35.7328, 0.2268, 0.3189



35.7328, 0.2596, 0.2445



35.7328, 0.4061, 0.3280



35.7328, 0.3616, 0.4266

Rectangle

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



35.7328, 0.2268, 0.3189



35.7328, 0.2206, 0.2547



35.7328, 0.4061, 0.3280



35.7328, 0.4120, 0.3961

Sweetspot

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



35.7341, 0.2268, 0.3189



76.9904, 0.2771, 0.3262



34.8973, 0.2999, 0.5676



16.3415, 0.2724, 0.3258



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.7341, 0.2268, 0.3189



63.1634, 0.2219, 0.3166



14.3594, 0.1927, 0.1879



10.1451, 0.2985, 0.3280



23.9120, 0.2212, 0.3162



0.8628, 0.2221, 0.3197

Inverse Universe

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



14.8663, 0.3284, 0.1711



24.5306, 0.3310, 0.1613



22.9233, 0.4866, 0.4220



9.1561, 0.3144, 0.3074



9.1963, 0.3314, 0.1599



0.3262, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 35.7328, 0.2268, 0.3189 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 35.7328, 0.2268, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

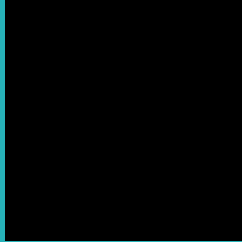
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

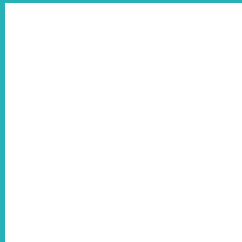
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7328, 0.2268, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 35.7328, 0.2268, 0.3189.

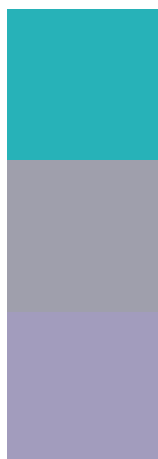


This preview shows how white text looks on a background with the Yxy color 35.7328, 0.2268, 0.3189.

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

35.7328, 0.2268, 0.3189

Protanopia

35.1458, 0.3013, 0.3102

Deuteranopia

35.1324, 0.2898, 0.2830



Tritanopia

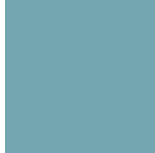
35.7638, 0.2244, 0.3062

Trichromacy



Original Color

35.7328, 0.2268, 0.3189



Protanomaly

34.0519, 0.2625, 0.3132



Deuteranomaly

33.9207, 0.2561, 0.2937



Tritanomaly

35.5887, 0.2253, 0.3109

Monochromacy



Original Color

35.7328, 0.2268, 0.3189



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.5563, 0.2648, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7328, 0.2268, 0.3189 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(39, 178, 184)` looks like.

```
.text, #text, p{  
    color:rgb(39, 178, 184)  
}
```

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(39, 178, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 178, 184) }
```

Border

The CSS property to change the border of an element to Yxy 35.7328, 0.2268, 0.3189 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(39, 178, 184) }
```

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

```
.border{ border-color:rgb(39, 178, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 178, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 178, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 178, 184);  
box-shadow:4px 4px 4px 4px rgb(39, 178,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7328, 0.2268, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 178, 184) }
```

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

```
.background{ background-color: rgb(39, 178,  
184) }
```

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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