

Converting Colors

$Yxy(36.0544, 0.2427, 0.3489)$

Have a look what the booklet for
Yxy(36.0544, 0.2427, 0.3489)
contains.

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Color

Yxy(36.0544, 0.2427, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	3EB3A7
RGB	62, 179, 167
RGB Percent	24%, 70%, 65%
CMY	0.7571, 0.2980, 0.3450
CMYK	0.65, 0.00, 0.07, 0.30
HSL	174°, 49%, 47%
HSV	174°, 65%, 70%
XYZ	25.0800, 36.0544, 42.2030
YIQ	142.6490, -65.8800, -28.5360

Conversions

Conversions Part 2

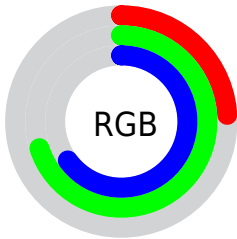
Format	Color
RYB	62, 124, 179
Decimal	4109223
CIELab	66.56, -35.17, -3.48
CIElCh	67, 35.339, 185.643
Yxy	36.0544, 0.2427, 0.3489
Android (android.graphics.Color)	4282299303 (0xFF3EB3A7)
YUV	142.6490, 12.0050, -70.7292
Hunter-Lab	60.0453, -30.5227, 0.3596

Details

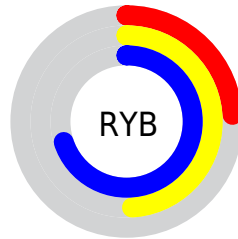
The Yxy color **36.0544, 0.2427, 0.3489** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.5174, 0.5010, 0.3143**, and the grayscale version is **27.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9757, 0.2562, 0.3450**, and **16.1595, 0.2320, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **35.5025, 0.2379, 0.3524**, and if you desaturate by 10%, it is **36.8005, 0.2494, 0.3455**.

Distribution



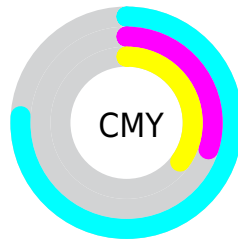
- Red (24%)
- Green (70%)
- Blue (65%)



- Red (24%)
- Yellow (49%)
- Blue (70%)



- Cyan (65%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)





- Cyan (76%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0544, 0.2427, 0.3489 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 36.0544, 0.2427, 0.3489 by changing the saturation by 10% instead.

 36.0544, 0.2427,
0.3489


 36.0544, 0.2427,
0.3489


329.1983, 0.2787,
0.3391

 24.4762, 0.2334,
0.3513


 69.1160, 0.2560,
0.3454


 15.6873, 0.2214,
0.3543


 91.3682, 0.2609,
0.3440


 9.3031, 0.2052,
0.3582


 117.9473, 0.2651,
0.3429

 4.9394, 0.1823,
0.3633

 149.2375, 0.2686,
0.3419

 2.2118, 0.1480,
0.3698

 185.6233, 0.2716,
0.3411

 0.7264, 0.0000,
0.4123

227.4891, 0.2743,

 0.0000, 0.0000,

0.3403

0.0000

275.2193, 0.2766,
0.3396

■ 36.0544, 0.2427,
0.3489

■ 36.0544, 0.2427,
0.3489

■ 35.5025, 0.2379,
0.3524

■ 36.8005, 0.2494,
0.3455

■ 35.1212, 0.2350,
0.3559

■ 37.7536, 0.2578,
0.3421

■ 34.8874, 0.2338,
0.3594

■ 38.9302, 0.2679,
0.3389

■ 34.8044, 0.2336,
0.3609

■ 40.3438, 0.2793,
0.3358

■ 42.0071, 0.2919,
0.3330

■ 43.9316, 0.3052,
0.3303

■ 46.1285, 0.3192,
0.3279

■ 48.6079, 0.3334,
0.3258

■ 51.3796, 0.3478,
0.3239

Harmonies

Analogous

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



36.0544, 0.2858, 0.3996



36.0544, 0.2427, 0.3489



36.0544, 0.2190, 0.2966

Triad

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



36.0544, 0.2427, 0.3489



36.0544, 0.2803, 0.2491



36.0544, 0.4161, 0.3881

Complementary

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



36.0544, 0.2427, 0.3489



13.5174, 0.5010, 0.3143

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.



36.0544, 0.4164, 0.3471



36.0544, 0.2427, 0.3489



36.0544, 0.3339, 0.2709

Square

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



36.0544, 0.2427, 0.3489



36.0544, 0.2393, 0.2445



36.0544, 0.3854, 0.3056



36.0544, 0.3865, 0.4188

Rectangle

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



36.0544, 0.2427, 0.3489



36.0544, 0.2158, 0.2700



36.0544, 0.3854, 0.3056



36.0544, 0.4198, 0.3750

Sweetspot

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



36.0558, 0.2427, 0.3489



73.6978, 0.2855, 0.3343



34.1103, 0.3109, 0.5319



16.1482, 0.2821, 0.3351



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.



36.0558, 0.2427, 0.3489



63.2764, 0.2366, 0.3538



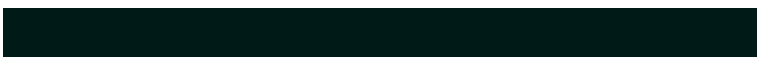
21.3644, 0.2175, 0.2489



9.6163, 0.2999, 0.3313



24.5980, 0.2335, 0.3605



0.7782, 0.2308, 0.3509

Inverse Universe

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



13.5174, 0.5010, 0.3143



19.9734, 0.5624, 0.3158



20.4094, 0.4723, 0.3903



8.5189, 0.3271, 0.3267



6.8087, 0.6260, 0.3222



0.2188, 0.5770, 0.2952

Previews

White Background



This preview shows how the Yxy color 36.0544, 0.2427, 0.3489 looks on a white background.

Color Contrast Check

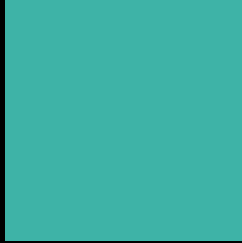
Large Text (above 18pt) WCAG AA × Fail

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 36.0544, 0.2427, 0.3489 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

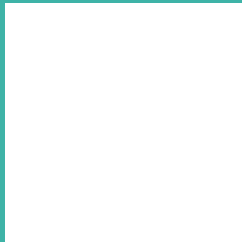
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0544, 0.2427, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 36.0544, 0.2427, 0.3489.

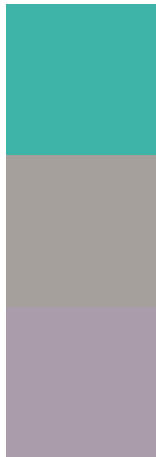


This preview shows how white text looks on a background with the Yxy color 36.0544, 0.2427, 0.3489.

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

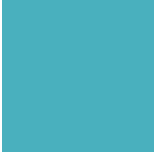
36.0544, 0.2427, 0.3489

Protanopia

35.5412, 0.3211, 0.3348

Deuteranopia

35.4134, 0.3128, 0.3066



Tritanopia

36.1848, 0.2336, 0.3067

Trichromacy



Original Color

36.0544, 0.2427, 0.3489



Protanomaly

34.7647, 0.2842, 0.3399



Deuteranomaly

34.2785, 0.2787, 0.3196



Tritanomaly

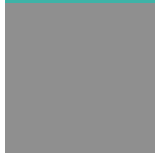
36.0869, 0.2366, 0.3207

Monochromacy



Original Color

36.0544, 0.2427, 0.3489



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.6213, 0.2776, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0544, 0.2427, 0.3489 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(62, 179, 167)` looks like.

```
.text, #text, p{  
    color:rgb(62, 179, 167)  
}
```

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(62, 179, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 179, 167) }
```

Border

The CSS property to change the border of an element to Yxy 36.0544, 0.2427, 0.3489 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(62, 179, 167) }
```

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

```
.border{ border-color:rgb(62, 179, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 179, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 179, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 179, 167);  
box-shadow:4px 4px 4px 4px rgb(62, 179,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0544, 0.2427, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 179, 167) }
```

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

```
.background{ background-color: rgb(62, 179,  
167) }
```

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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