

Converting Colors

$Yxy(21.6068, 0.2284, 0.3423)$

Have a look what the booklet for
Yxy(21.6068, 0.2284, 0.3423)
contains.

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Color

Yxy(21.7527, 0.2287, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	009089
RGB	0, 144, 137
RGB Percent	0%, 56%, 54%
CMY	1.0000, 0.4353, 0.4627
CMYK	1.00, 0.00, 0.05, 0.44
HSL	177°, 100%, 28%
HSV	177°, 100%, 56%
XYZ	14.4870, 21.7527, 27.1054
YIQ	100.1460, -83.5770, -32.7050

Conversions

Conversions Part 2

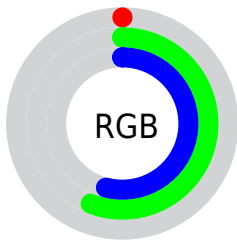
Format	Color
RYB	0, 74, 144
Decimal	37001
CIELab	53.76, -33.62, -5.53
CIELCh	54, 34.072, 189.344
Yxy	21.7527, 0.2287, 0.3434
Android (android.graphics.Color)	4278227081 (0xFF009089)
YUV	100.1460, 18.1690, -87.8280
Hunter-Lab	46.6398, -26.1749, -1.8094

Details

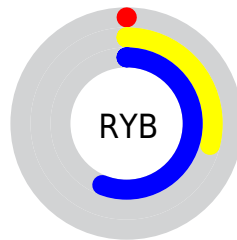
The Yxy color **21.7527, 0.2287, 0.3434** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.9452, 0.6332, 0.3262**, and the grayscale version is **12.7531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1321, 0.2468, 0.3407**, and **8.5168, 0.2298, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **21.7549, 0.2287, 0.3434**, and if you desaturate by 10%, it is **21.8716, 0.2302, 0.3419**.

Distribution



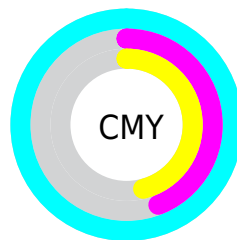
- Red (0%)
- Green (56%)
- Blue (54%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7527, 0.2287, 0.3434 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 21.7527, 0.2287, 0.3434 by changing the saturation by 10% instead.


 21.7527, 0.2287,
0.3434


 21.7527, 0.2287,
0.3434


261.2521, 0.2751,
0.3363


 13.6753, 0.2156,
0.3450


 46.3369, 0.2467,
0.3409

 7.8952, 0.1977,
0.3468


 63.6125, 0.2531,
0.3399


 4.0279, 0.1721,
0.3487

 84.7230, 0.2584,
0.3391

 1.6892, 0.1303,
0.3507

 110.0527, 0.2628,
0.3384

 0.4167, 0.0000,
0.3315

 139.9861, 0.2665,
0.3377

 0.0000, 0.0000,
0.0000

 174.9075, 0.2698,

0.3372

215.2014, 0.2726,
0.3367

■ 21.7527, 0.2287,
0.3434

■ 21.7527, 0.2287,
0.3434

■ 21.7549, 0.2287,
0.3434

■ 21.8716, 0.2302,
0.3419

■ 22.0536, 0.2329,
0.3403

■ 22.3337, 0.2373,
0.3387

■ 22.7239, 0.2436,
0.3372

■ 23.2348, 0.2516,
0.3356

■ 23.8754, 0.2613,
0.3341

■ 24.6541, 0.2725,
0.3327

■ 25.5785, 0.2850,
0.3314

■ 26.6556, 0.2985,
0.3301

Harmonies

Analogous

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



21.7527, 0.2746, 0.4044



21.7527, 0.2287, 0.3434



21.7527, 0.2057, 0.2850

Triad

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



21.7527, 0.2287, 0.3434



21.7527, 0.2825, 0.2414



21.7527, 0.4274, 0.3998

Complementary

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



21.7527, 0.2287, 0.3434



5.9452, 0.6332, 0.3262

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.



21.7527, 0.4330, 0.3541



21.7527, 0.2287, 0.3434



21.7527, 0.3443, 0.2677

Square

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



21.7527, 0.2287, 0.3434



21.7527, 0.2343, 0.2334



21.7527, 0.4017, 0.3075



21.7527, 0.3898, 0.4336

Rectangle

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



21.7527, 0.2287, 0.3434



21.7527, 0.2044, 0.2571



21.7527, 0.4017, 0.3075



21.7527, 0.4333, 0.3852

Sweetspot

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



21.7549, 0.2287, 0.3434



43.3881, 0.2718, 0.3328



19.9949, 0.3014, 0.5989



9.8255, 0.2674, 0.3333



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.7549, 0.2287, 0.3434



38.3596, 0.2288, 0.3437



7.6352, 0.1827, 0.1779



6.1119, 0.2997, 0.3300



18.9438, 0.2287, 0.3433



0.1820, 0.2265, 0.3355

Inverse Universe

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



5.9452, 0.6332, 0.3262



10.4777, 0.6350, 0.3272



9.6879, 0.5522, 0.3998



5.4281, 0.3274, 0.3280



5.1777, 0.6327, 0.3259



0.0502, 0.5993, 0.3075

Previews

White Background



This preview shows how the Yxy color 21.7527, 0.2287, 0.3434 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7527, 0.2287, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

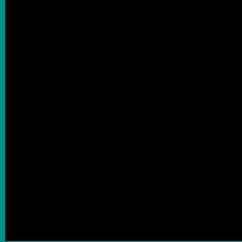
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7527, 0.2287, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 21.7527, 0.2287, 0.3434.



This preview shows how white text looks on a background with the Yxy color 21.7527, 0.2287, 0.3434.

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

21.7527, 0.2287, 0.3434

Protanopia

21.4569, 0.3163, 0.3290

Deuteranopia

21.4067, 0.3058, 0.2997



Tritanopia

21.9530, 0.2240, 0.3070

Trichromacy



Original Color

21.7527, 0.2287, 0.3434



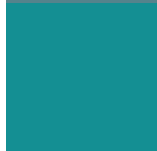
Protanomaly

20.2528, 0.2638, 0.3329



Deuteranomaly

20.0573, 0.2575, 0.3112



Tritanomaly

21.9002, 0.2252, 0.3207

Monochromacy



Original Color

21.7527, 0.2287, 0.3434



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

14.7730, 0.2578, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7527, 0.2287, 0.3434 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(0, 144, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 137)  
}
```

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(0, 144, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 137) }
```

Border

The CSS property to change the border of an element to Yxy 21.7527, 0.2287, 0.3434 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(0, 144, 137) }
```

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

```
.border{ border-color:rgb(0, 144, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7527, 0.2287, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 137) }
```

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

```
.background{ background-color: rgb(0, 144,  
137) }
```

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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