

Converting Colors

$Yxy(28.2552, 0.2361, 0.3523)$

Have a look what the booklet for
Yxy(28.2552, 0.2361, 0.3523)
contains.

Yxy(28.3177, 0.2363, 0.3533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3177, 0.2363, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	20A295
RGB	32, 162, 149
RGB Percent	13%, 64%, 58%
CMY	0.8744, 0.3647, 0.4157
CMYK	0.80, 0.00, 0.08, 0.36
HSL	174°, 67%, 38%
HSV	174°, 80%, 64%
XYZ	18.9399, 28.3177, 32.8944
YIQ	121.6480, -73.3070, -31.6030

Conversions

Conversions Part 2

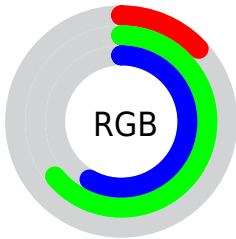
Format	Color
RYB	32, 100, 162
Decimal	2138773
CIELab	60.17, -36.29, -2.86
CIELCh	60, 36.407, 184.511
Yxy	28.3177, 0.2363, 0.3533
Android (android.graphics.Color)	4280328853 (0xFF20A295)
YUV	121.6480, 13.4845, -78.6213
Hunter-Lab	53.2144, -29.5939, 0.6000

Details

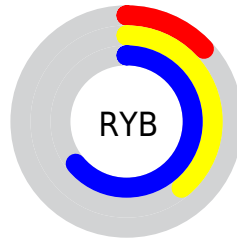
The Yxy color **28.3177, 0.2363, 0.3533** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.9054, 0.5643, 0.3162**, and the grayscale version is **19.3163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7623, 0.2518, 0.3480**, and **11.8191, 0.2331, 0.3590** is the 20% darker color. If you saturate the color by 10%, you get **28.0685, 0.2342, 0.3567**, and if you desaturate by 10%, it is **28.6973, 0.2403, 0.3499**.

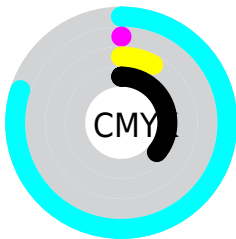
Distribution



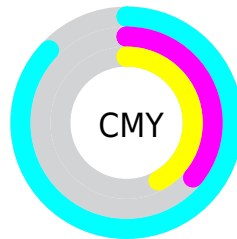
- Red (13%)
- Green (64%)
- Blue (58%)



- Red (13%)
- Yellow (39%)
- Blue (64%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (36%)





- Cyan (87%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3177, 0.2363, 0.3533 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 28.3177, 0.2363, 0.3533 by changing the saturation by 10% instead.

 28.3177, 0.2363,
0.3533

 28.3177, 0.2363,
0.3533


293.9819, 0.2771,
0.3407

 18.5653, 0.2253,
0.3565


 56.9913, 0.2517,
0.3486


 11.3566, 0.2106,
0.3607


 76.6812, 0.2573,
0.3469

 6.3072, 0.1903,
0.3663


 100.4524, 0.2620,
0.3455

 3.0328, 0.1605,
0.3738

 128.6894, 0.2660,
0.3442

 1.1489, 0.0650,
0.4048

 161.7764, 0.2693,
0.3432

 0.0193, 0.0000,
0.0804

 200.0979, 0.2723,

 0.0000, 0.0000,

0.3422

0.0000

244.0383, 0.2748,
0.3414

■ 28.3177, 0.2363,
0.3533

■ 28.3177, 0.2363,
0.3533

■ 28.0685, 0.2342,
0.3567

■ 28.6973, 0.2403,
0.3499

■ 27.9104, 0.2333,
0.3599

■ 29.2206, 0.2461,
0.3465

■ 29.9027, 0.2537,
0.3432

■ 30.7559, 0.2630,
0.3400

■ 31.7916, 0.2738,
0.3370

■ 33.0198, 0.2858,
0.3341

■ 34.4499, 0.2987,
0.3315

■ 36.0910, 0.3124,
0.3291

■ 37.9511, 0.3264,
0.3269

Harmonies

Analogous

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



28.3177, 0.2843, 0.4104



28.3177, 0.2363, 0.3533



28.3177, 0.2097, 0.2941

Triad

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



28.3177, 0.2363, 0.3533



28.3177, 0.2743, 0.2404



28.3177, 0.4283, 0.3918

Complementary

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



28.3177, 0.2363, 0.3533



8.9054, 0.5643, 0.3162

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.



28.3177, 0.4279, 0.3463



28.3177, 0.2363, 0.3533



28.3177, 0.3337, 0.2637

Square

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



28.3177, 0.2363, 0.3533



28.3177, 0.2301, 0.2359



28.3177, 0.3920, 0.3011



28.3177, 0.3959, 0.4276

Rectangle

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



28.3177, 0.2363, 0.3533



28.3177, 0.2058, 0.2643



28.3177, 0.3920, 0.3011



28.3177, 0.4322, 0.3771

Sweetspot

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



28.3188, 0.2363, 0.3533



58.9577, 0.2806, 0.3353



26.5550, 0.3079, 0.5692



13.0737, 0.2765, 0.3363



82.7571, 0.3127, 0.3290



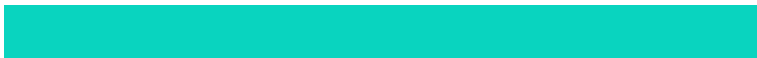
14.7319, 0.3127, 0.3290

Same Dimension

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



28.3188, 0.2363, 0.3533



50.7416, 0.2336, 0.3592



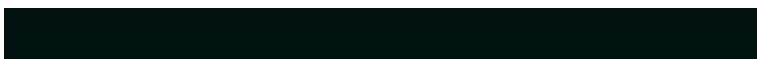
14.5431, 0.2027, 0.2280



7.9990, 0.3000, 0.3312



21.9910, 0.2332, 0.3597



0.4654, 0.2298, 0.3474

Inverse Universe

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



8.9054, 0.5643, 0.3162



14.2167, 0.6214, 0.3229



13.7973, 0.5185, 0.3938



7.0970, 0.3270, 0.3268



6.0848, 0.6257, 0.3221



0.1311, 0.5691, 0.2909

Previews

White Background



This preview shows how the Yxy color 28.3177, 0.2363, 0.3533 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 28.3177, 0.2363, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

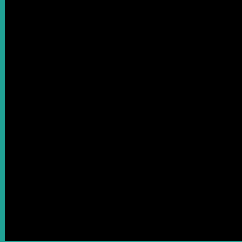
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3177, 0.2363, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 28.3177, 0.2363, 0.3533.

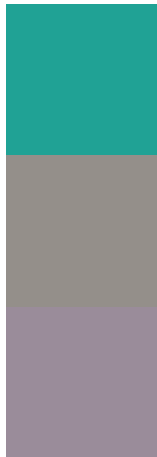


This preview shows how white text looks on a background with the Yxy color 28.3177, 0.2363, 0.3533.

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

28.3177, 0.2363, 0.3533

Protanopia

27.7758, 0.3231, 0.3371

Deuteranopia

27.9593, 0.3137, 0.3074



Tritanopia

28.4278, 0.2271, 0.3059

Trichromacy



Original Color

28.3177, 0.2363, 0.3533

Protanomaly

26.8299, 0.2780, 0.3431

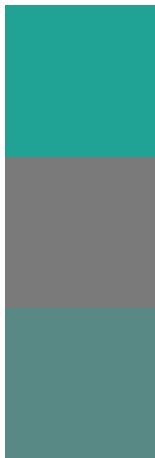
Deuteranomaly

26.7618, 0.2729, 0.3219

Tritanomaly

28.3355, 0.2300, 0.3215

Monochromacy



Original Color

28.3177, 0.2363, 0.3533

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.6811, 0.2691, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3177, 0.2363, 0.3533 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(32, 162, 149)` looks like.

```
.text, #text, p{  
  color:rgb(32, 162, 149)  
}
```

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(32, 162, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 162, 149) }
```

Border

The CSS property to change the border of an element to Yxy 28.3177, 0.2363, 0.3533 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(32, 162, 149) }
```

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

```
.border{ border-color:rgb(32, 162, 149) }
```

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

Here you see how a box with a 4 pixel rgb(32, 162, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 162, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 162, 149);  
box-shadow:4px 4px 4px 4px rgb(32, 162,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3177, 0.2363, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 162, 149) }
```

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

```
.background{ background-color: rgb(32, 162,  
149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor