

Converting Colors

$Yxy(32.4417, 0.2249, 0.3057)$

Have a look what the booklet for
Yxy(32.4417, 0.2249, 0.3057)
contains.

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Color

Yxy(32.3527, 0.2248, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	2DA9B7
RGB	45, 169, 183
RGB Percent	18%, 66%, 72%
CMY	0.8230, 0.3373, 0.2823
CMYK	0.75, 0.08, 0.00, 0.28
HSL	186°, 60%, 45%
HSV	186°, 75%, 72%
XYZ	23.8221, 32.3527, 49.7954
YIQ	133.5200, -78.3980, -21.9340

Conversions

Conversions Part 2

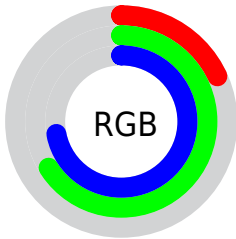
Format	Color
R_{YB}	45, 110, 183
Decimal	2992567
CIE _{Lab}	63.63, -28.00, -16.79
CIE _{LCh}	64, 32.649, 210.949
Yxy	32.3527, 0.2248, 0.3053
Android (android.graphics.Color)	4281182647 (0xFF2DA9B7)
YUV	133.5200, 24.3936, -77.6320
Hunter-Lab	56.8794, -24.7801, -12.0901

Details

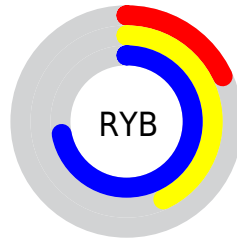
The Yxy color **32.3527, 0.2248, 0.3053** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4019, 0.5544, 0.3443**, and the grayscale version is **23.5989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5931, 0.2415, 0.3114**, and **14.1025, 0.2155, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **31.3364, 0.2200, 0.3018**, and if you desaturate by 10%, it is **33.5612, 0.2315, 0.3088**.

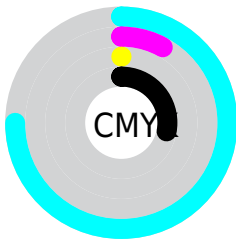
Distribution



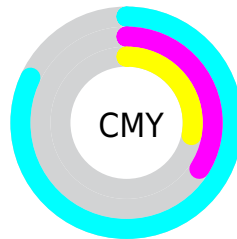
- Red (18%)
- Green (66%)
- Blue (72%)



- Red (18%)
- Yellow (43%)
- Blue (72%)



- Cyan (75%)
- Magenta (8%)
- Yellow (0%)
- Black (28%)





- Cyan (82%)
- Magenta (34%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3527, 0.2248, 0.3053 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 32.3527, 0.2248, 0.3053 by changing the saturation by 10% instead.


 32.3527, 0.2248,
0.3053


 32.3527, 0.2248,
0.3053


312.7228, 0.2699,
0.3192


 21.6310, 0.2133,
0.3011

 63.3636, 0.2414,
0.3109


 13.5860, 0.1986,
0.2953


 84.4216, 0.2475,
0.3128


 7.8333, 0.1789,
0.2867


 109.6939, 0.2527,
0.3144

 3.9885, 0.1518,
0.2732

 139.5648, 0.2572,
0.3157

 1.6671, 0.1125,
0.2497

 174.4188, 0.2610,
0.3168

 0.4022, 0.0000,
0.1854

214.6402, 0.2643,

 0.0000, 0.0000,

0.3177

0.0000

260.6134, 0.2673,
0.3185

■ 32.3527, 0.2248,
0.3053

■ 32.3527, 0.2248,
0.3053

■ 31.3364, 0.2200,
0.3018

■ 33.5612, 0.2315,
0.3088

■ 30.4832, 0.2169,
0.2984

■ 34.9792, 0.2401,
0.3123

■ 30.1161, 0.2158,
0.2968

■ 36.6255, 0.2504,
0.3157

■ 38.5163, 0.2623,
0.3189

■ 40.6659, 0.2755,
0.3220

■ 43.0876, 0.2897,
0.3250

■ 45.7938, 0.3046,
0.3277

■ 48.7961, 0.3199,
0.3301

■ 52.1053, 0.3354,
0.3323

Harmonies

Analogous

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



32.3527, 0.2510, 0.3564



32.3527, 0.2248, 0.3053



32.3527, 0.2203, 0.2671

Triad

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



32.3527, 0.2248, 0.3053



32.3527, 0.3248, 0.2689



32.3527, 0.3896, 0.4118

Complementary

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



32.3527, 0.2248, 0.3053



13.4019, 0.5544, 0.3443

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.



32.3527, 0.4139, 0.3803



32.3527, 0.2248, 0.3053



32.3527, 0.3755, 0.3008

Square

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



32.3527, 0.2248, 0.3053



32.3527, 0.2744, 0.2502



32.3527, 0.4092, 0.3403



32.3527, 0.3455, 0.4225

Rectangle

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



32.3527, 0.2248, 0.3053



32.3527, 0.2295, 0.2526



32.3527, 0.4092, 0.3403



32.3527, 0.4005, 0.4030

Sweetspot

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



32.3539, 0.2248, 0.3053



73.6330, 0.2782, 0.3226



34.7479, 0.2967, 0.5481



15.9368, 0.2732, 0.3215



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.



32.3539, 0.2248, 0.3053



55.1446, 0.2179, 0.2997



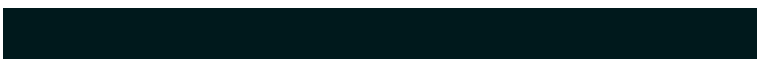
13.1482, 0.1923, 0.1778



10.0504, 0.2985, 0.3266



21.0641, 0.2159, 0.2972



0.7878, 0.2184, 0.3061

Inverse Universe

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



14.8195, 0.3395, 0.1821



23.6014, 0.3454, 0.1712



25.6604, 0.4668, 0.4323



9.1466, 0.3153, 0.3087



8.9088, 0.3479, 0.1690



0.3186, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 32.3527, 0.2248, 0.3053 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 32.3527, 0.2248, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

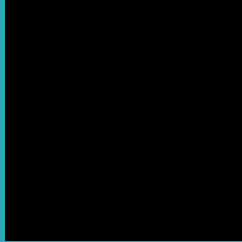
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

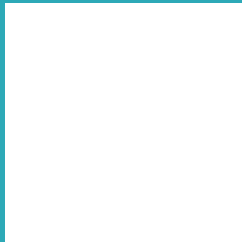
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3527, 0.2248, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 32.3527, 0.2248, 0.3053.

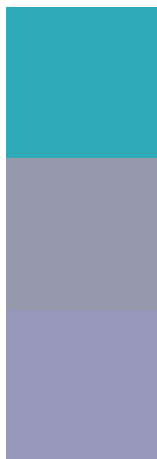


This preview shows how white text looks on a background with the Yxy color 32.3527, 0.2248, 0.3053.

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

32.3527, 0.2248, 0.3053

Protanopia

31.9191, 0.2929, 0.2991

Deuteranopia

31.9799, 0.2812, 0.2755



Tritanopia

32.3527, 0.2248, 0.3053

Trichromacy



Original Color

32.3527, 0.2248, 0.3053

Protanomaly

31.0331, 0.2586, 0.3000

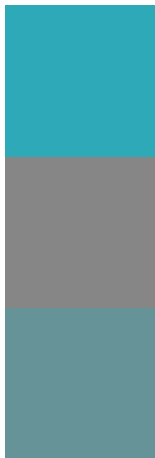
Deuteranomaly

31.1039, 0.2516, 0.2835

Tritanomaly

32.3527, 0.2248, 0.3053

Monochromacy



Original Color

32.3527, 0.2248, 0.3053

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.9592, 0.2660, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3527, 0.2248, 0.3053 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(45, 169, 183)` looks like.

```
.text, #text, p{  
  color:rgb(45, 169, 183)  
}
```

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(45, 169, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 169, 183) }
```

Border

The CSS property to change the border of an element to Yxy 32.3527, 0.2248, 0.3053 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(45, 169, 183) }
```

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

```
.border{ border-color:rgb(45, 169, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 169, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 169, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 169, 183);  
box-shadow:4px 4px 4px 4px rgb(45, 169,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3527, 0.2248, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 169, 183) }
```

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

```
.background{ background-color: rgb(45, 169,  
183) }
```

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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