

Converting Colors

$Y_{xy}(29.1659, 0.2315, 0.3263)$

Have a look what the booklet for
Yxy(29.1659, 0.2315, 0.3263)
contains.

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Color

$\text{Yxy}(29.0565, 0.2312, 0.3252)$

Conversions

Conversions Part 1

Format	Color
Hex	2CA2A4
RGB	44, 162, 164
RGB Percent	17%, 64%, 64%
CMY	0.8276, 0.3647, 0.3569
CMYK	0.73, 0.01, 0.00, 0.36
HSL	181°, 58%, 41%
HSV	181°, 73%, 64%
XYZ	20.6576, 29.0565, 39.6355
YIQ	126.9460, -70.9700, -24.3940

Conversions

Conversions Part 2

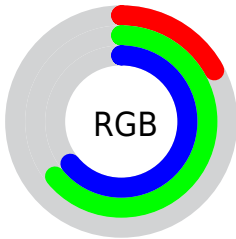
Format	Color
R_{YB}	44, 103, 164
Decimal	2925220
CIE _{Lab}	60.83, -30.55, -10.34
CIE _{LCh}	61, 32.251, 198.691
Yxy	29.0565, 0.2312, 0.3252
Android (android.graphics.Color)	4281115300 (0xFF2CA2A4)
YUV	126.9460, 18.2676, -72.7436
Hunter-Lab	53.9041, -25.9257, -5.8629

Details

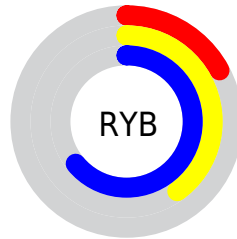
The Yxy color **29.0565, 0.2312, 0.3252** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0228, 0.5543, 0.3320**, and the grayscale version is **21.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9914, 0.2469, 0.3262**, and **12.3217, 0.2232, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **28.6684, 0.2270, 0.3247**, and if you desaturate by 10%, it is **29.5904, 0.2373, 0.3258**.

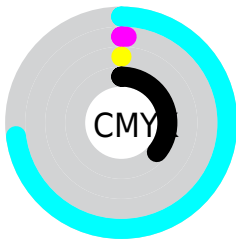
Distribution



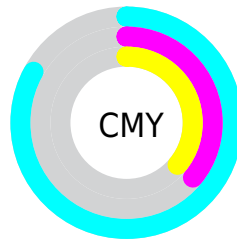
- Red (17%)
- Green (64%)
- Blue (64%)



- Red (17%)
- Yellow (40%)
- Blue (64%)



- Cyan (73%)
- Magenta (1%)
- Yellow (0%)
- Black (36%)





- Cyan (83%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0565, 0.2312, 0.3252 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 29.0565, 0.2312, 0.3252 by changing the saturation by 10% instead.

 29.0565, 0.2312,
0.3252


 29.0565, 0.2312,
0.3252


297.4814, 0.2740,
0.3284


 19.1236, 0.2199,
0.3238

 58.1668, 0.2472,
0.3267


 11.7596, 0.2050,
0.3217


 78.1130, 0.2531,
0.3272


 6.5802, 0.1848,
0.3181


 102.1658, 0.2580,
0.3276

 3.2010, 0.1558,
0.3113

 130.7095, 0.2622,
0.3278

 1.2375, 0.0961,
0.3019

 164.1285, 0.2658,
0.3280

 0.0920, 0.0000,
0.1006

202.8072, 0.2689,

 0.0000, 0.0000,

0.3282

0.0000

247.1301, 0.2716,
0.3283

■ 29.0565, 0.2312,
0.3252

■ 29.0565, 0.2312,
0.3252

■ 28.6684, 0.2270,
0.3247

■ 29.5904, 0.2373,
0.3258

■ 28.4048, 0.2244,
0.3241

■ 30.2821, 0.2452,
0.3263

■ 28.2678, 0.2233,
0.3238

■ 31.1457, 0.2550,
0.3269

■ 32.1931, 0.2663,
0.3274

■ 33.4351, 0.2791,
0.3279

■ 34.8816, 0.2930,
0.3284

■ 36.5419, 0.3079,
0.3289

■ 38.4248, 0.3233,
0.3293

■ 40.5384, 0.3390,
0.3297

Harmonies

Analogous

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



29.0565, 0.2661, 0.3783



29.0565, 0.2312, 0.3252



29.0565, 0.2175, 0.2793

Triad

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



29.0565, 0.2312, 0.3252



29.0565, 0.3030, 0.2579



29.0565, 0.4046, 0.4022

Complementary

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



29.0565, 0.2312, 0.3252



10.0228, 0.5543, 0.3320

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.



29.0565, 0.4182, 0.3650



29.0565, 0.2312, 0.3252



29.0565, 0.3568, 0.2856

Square

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



29.0565, 0.2312, 0.3252



29.0565, 0.2560, 0.2456



29.0565, 0.4006, 0.3234



29.0565, 0.3662, 0.4237

Rectangle

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



29.0565, 0.2312, 0.3252



29.0565, 0.2208, 0.2588



29.0565, 0.4006, 0.3234



29.0565, 0.4124, 0.3909

Sweetspot

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



29.0576, 0.2312, 0.3252



60.8901, 0.2802, 0.3279



27.2630, 0.3020, 0.5576



13.1773, 0.2768, 0.3278



82.7571, 0.3127, 0.3290



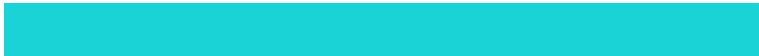
14.7319, 0.3127, 0.3290

Same Dimension

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



29.0576, 0.2312, 0.3252



51.7132, 0.2251, 0.3243



13.1107, 0.2021, 0.2089



7.9911, 0.2988, 0.3286



21.6851, 0.2233, 0.3238



0.4615, 0.2238, 0.3257

Inverse Universe

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



12.2990, 0.3229, 0.1747



19.7596, 0.3244, 0.1605



17.9689, 0.4768, 0.4137



7.2002, 0.3140, 0.3072



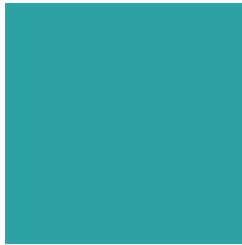
8.0332, 0.3250, 0.1564



0.1694, 0.3234, 0.1555

Previews

White Background



This preview shows how the Yxy color 29.0565, 0.2312, 0.3252 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 29.0565, 0.2312, 0.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

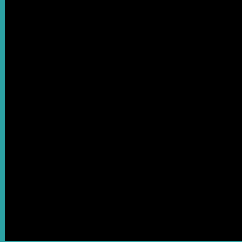
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

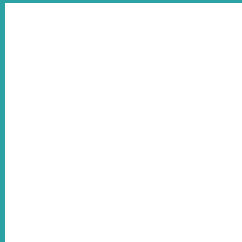
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.0565, 0.2312, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 29.0565, 0.2312, 0.3252.



This preview shows how white text looks on a background with the Yxy color 29.0565, 0.2312, 0.3252.

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

29.0565, 0.2312, 0.3252

Protanopia

28.6617, 0.3061, 0.3164

Deuteranopia

28.5627, 0.2951, 0.2893



Tritanopia

29.2238, 0.2273, 0.3061

Trichromacy



Original Color

29.0565, 0.2312, 0.3252



Protanomaly

27.8187, 0.2687, 0.3186



Deuteranomaly

27.6644, 0.2623, 0.2989



Tritanomaly

29.0204, 0.2288, 0.3129

Monochromacy



Original Color

29.0565, 0.2312, 0.3252



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.1910, 0.2700, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0565, 0.2312, 0.3252 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(44, 162, 164)` looks like.

```
.text, #text, p{  
    color:rgb(44, 162, 164)  
}
```

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(44, 162, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 162, 164) }
```

Border

The CSS property to change the border of an element to Yxy 29.0565, 0.2312, 0.3252 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(44, 162, 164) }
```

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

```
.border{ border-color:rgb(44, 162, 164) }
```

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

Here you see how a box with a 4 pixel rgb(44, 162, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 162, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 162, 164);  
box-shadow:4px 4px 4px 4px rgb(44, 162,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0565, 0.2312, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 162, 164) }
```

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

```
.background{ background-color: rgb(44, 162,  
164) }
```

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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