

Converting Colors

$Yxy(29.4947, 0.2397, 0.3259)$

Have a look what the booklet for
Yxy(29.4947, 0.2397, 0.3259)
contains.

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Color

$\text{Yxy}(29.6088, 0.2398, 0.3270)$

Conversions

Conversions Part 1

Format	Color
Hex	41A2A3
RGB	65, 162, 163
RGB Percent	25%, 64%, 64%
CMY	0.7450, 0.3647, 0.3607
CMYK	0.60, 0.01, 0.00, 0.36
HSL	181°, 43%, 45%
HSV	181°, 60%, 64%
XYZ	21.7131, 29.6088, 39.2249
YIQ	133.1110, -58.1330, -20.2530

Conversions

Conversions Part 2

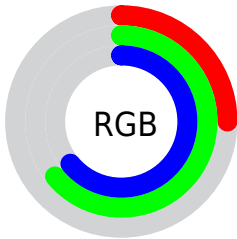
Format	Color
RYB	65, 114, 163
Decimal	4301475
CIELab	61.32, -27.60, -9.01
CIELCh	61, 29.033, 198.072
Yxy	29.6088, 0.2398, 0.3270
Android (android.graphics.Color)	4282491555 (0xFF41A2A3)
YUV	133.1110, 14.7353, -59.7333
Hunter-Lab	54.4140, -23.9966, -4.6500

Details

The Yxy color **29.6088, 0.2398, 0.3270** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0711, 0.4939, 0.3310**, and the grayscale version is **23.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9727, 0.2543, 0.3275**, and **12.2996, 0.2239, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **29.0721, 0.2332, 0.3267**, and if you desaturate by 10%, it is **30.3084, 0.2482, 0.3274**.

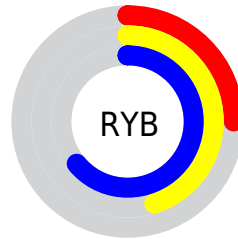
Distribution



Red (25%)

Green (64%)

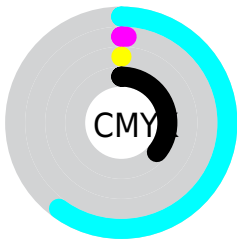
Blue (64%)



Red (25%)

Yellow (45%)

Blue (64%)

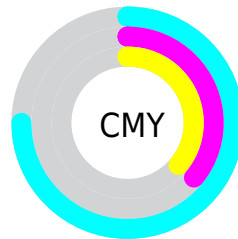


Cyan (60%)

Magenta (1%)

Yellow (0%)

Black (36%)



Cyan (75%)


Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6088, 0.2398, 0.3270 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 29.6088, 0.2398, 0.3270 by changing the saturation by 10% instead.


 29.6088, 0.2398,
0.3270


 29.6088, 0.2398,
0.3270


300.0767, 0.2782,
0.3290

 19.5418, 0.2296,
0.3261


 59.0430, 0.2542,
0.3280


 12.0625, 0.2162,
0.3246


 79.1790, 0.2595,
0.3283

 6.7862, 0.1979,
0.3220


 103.4401, 0.2639,
0.3285

 3.3288, 0.1713,
0.3171

 132.2108, 0.2676,
0.3287

 1.3057, 0.1223,
0.3090

 165.8754, 0.2708,
0.3288

 0.1456, 0.0000,
0.1559

204.8183, 0.2736,

 0.0000, 0.0000,

0.3289

0.0000

249.4240, 0.2760,
0.3289

■ 29.6088, 0.2398,
0.3270

■ 29.6088, 0.2398,
0.3270

■ 29.0721, 0.2332,
0.3267

■ 30.3084, 0.2482,
0.3274

■ 28.6807, 0.2285,
0.3263

■ 31.1800, 0.2584,
0.3277

■ 28.4190, 0.2255,
0.3260

■ 32.2361, 0.2702,
0.3281

■ 28.2493, 0.2238,
0.3256

■ 33.4871, 0.2833,
0.3284

■ 34.9425, 0.2975,
0.3287

■ 36.6113, 0.3126,
0.3290

■ 38.5019, 0.3281,
0.3293

■ 40.6222, 0.3439,
0.3295

■ 42.9799, 0.3597,
0.3298

Harmonies

Analogous

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



29.6088, 0.2719, 0.3737



29.6088, 0.2398, 0.3270



29.6088, 0.2267, 0.2855

Triad

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



29.6088, 0.2398, 0.3270



29.6088, 0.3032, 0.2643



29.6088, 0.3958, 0.3947

Complementary

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



29.6088, 0.2398, 0.3270



12.0711, 0.4939, 0.3310

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.



29.6088, 0.4071, 0.3614



29.6088, 0.2398, 0.3270



29.6088, 0.3514, 0.2892

Square

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



29.6088, 0.2398, 0.3270



29.6088, 0.2610, 0.2535



29.6088, 0.3906, 0.3237



29.6088, 0.3620, 0.4135

Rectangle

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



29.6088, 0.2398, 0.3270



29.6088, 0.2294, 0.2665



29.6088, 0.3906, 0.3237



29.6088, 0.4025, 0.3847

Sweetspot

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



29.6099, 0.2398, 0.3270



60.3996, 0.2858, 0.3284



27.7047, 0.3038, 0.5184



13.4128, 0.2819, 0.3284



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.



29.6099, 0.2398, 0.3270



51.8056, 0.2315, 0.3265



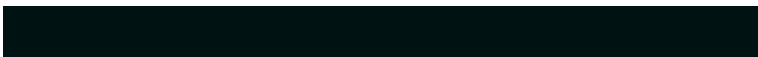
15.8090, 0.2193, 0.2340



7.9987, 0.2988, 0.3287



21.9566, 0.2238, 0.3257



0.4650, 0.2241, 0.3269

Inverse Universe

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



14.1805, 0.3205, 0.1932



21.7571, 0.3218, 0.1739



20.2090, 0.4413, 0.4039



7.2009, 0.3139, 0.3071



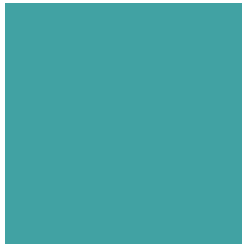
8.0607, 0.3235, 0.1555



0.1697, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 29.6088, 0.2398, 0.3270 looks on a white background.

Color Contrast Check

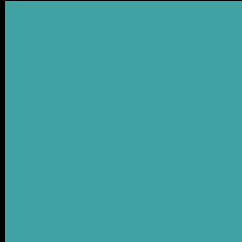
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6088, 0.2398, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

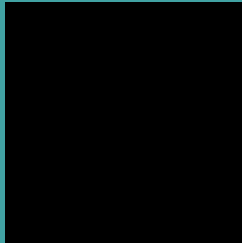
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6088, 0.2398, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 29.6088, 0.2398, 0.3270.

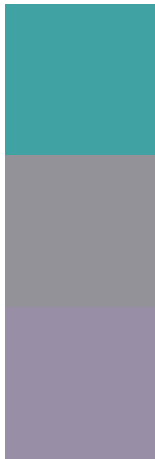


This preview shows how white text looks on a background with the Yxy color 29.6088, 0.2398, 0.3270.

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

29.6088, 0.2398, 0.3270

Protanopia

29.1536, 0.3081, 0.3180

Deuteranopia

29.1103, 0.2991, 0.2927



Tritanopia

29.4608, 0.2355, 0.3065

Trichromacy



Original Color

29.6088, 0.2398, 0.3270

Protanomaly

28.7423, 0.2764, 0.3205

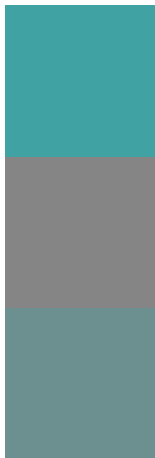
Deuteranomaly

28.5589, 0.2707, 0.3027

Tritanomaly

29.5833, 0.2373, 0.3149

Monochromacy



Original Color

29.6088, 0.2398, 0.3270

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.1483, 0.2772, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6088, 0.2398, 0.3270 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(65, 162, 163)` looks like.

```
.text, #text, p{  
    color:rgb(65, 162, 163)  
}
```

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(65, 162, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 162, 163) }
```

Border

The CSS property to change the border of an element to Yxy 29.6088, 0.2398, 0.3270 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(65, 162, 163) }
```

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

```
.border{ border-color:rgb(65, 162, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 162, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 162, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 162, 163);  
box-shadow:4px 4px 4px 4px rgb(65, 162,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6088, 0.2398, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 162, 163) }
```

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

```
.background{ background-color: rgb(65, 162,  
163) }
```

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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