

Converting Colors

$Yxy(29.5642, 0.2160, 0.2950)$

Have a look what the booklet for
Yxy(29.5642, 0.2160, 0.2950)
contains.

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Color

Yxy(29.6299, 0.2163, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	09A3B6
RGB	9, 163, 182
RGB Percent	4%, 64%, 71%
CMY	0.9643, 0.3608, 0.2864
CMYK	0.95, 0.10, 0.00, 0.29
HSL	187°, 90%, 37%
HSV	187°, 95%, 71%
XYZ	21.6518, 29.6299, 48.8193
YIQ	119.1200, -97.8830, -26.7390

Conversions

Conversions Part 2

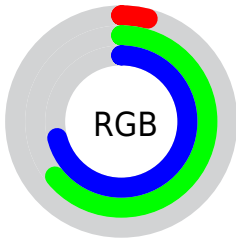
Format	Color
RYB	9, 90, 182
Decimal	631734
CIELab	61.33, -27.97, -19.74
CIELCh	61, 34.233, 215.218
Yxy	29.6299, 0.2163, 0.2960
Android (android.graphics.Color)	4278821814 (0xFF09A3B6)
YUV	119.1200, 30.9998, -96.5752
Hunter-Lab	54.4334, -24.2568, -15.0717

Details

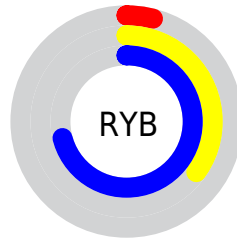
The Yxy color **29.6299, 0.2163, 0.2960** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.7963, 0.6201, 0.3389**, and the grayscale version is **18.4221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9685, 0.2347, 0.3032**, and **12.9539, 0.2127, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **29.2184, 0.2150, 0.2941**, and if you desaturate by 10%, it is **30.5243, 0.2195, 0.2997**.

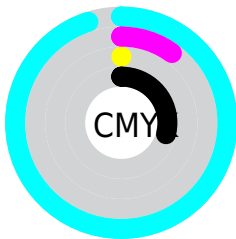
Distribution



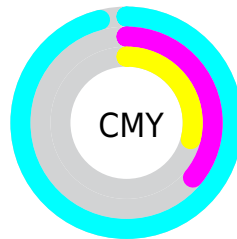
- Red (4%)
- Green (64%)
- Blue (71%)



- Red (4%)
- Yellow (35%)
- Blue (71%)



- Cyan (95%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)





- Cyan (96%)
- Magenta (36%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6299, 0.2163, 0.2960 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 29.6299, 0.2163, 0.2960 by changing the saturation by 10% instead.


 29.6299, 0.2163,
0.2960


 29.6299, 0.2163,
0.2960


 300.1755, 0.2661,
0.3152


 19.5578, 0.2036,
0.2902


 59.0764, 0.2347,
0.3037


 12.0740, 0.1871,
0.2822


 79.2196, 0.2415,
0.3064


 6.7941, 0.1652,
0.2705


 103.4887, 0.2472,
0.3085

 3.3337, 0.1352,
0.2522

 132.2680, 0.2521,
0.3103

 1.3083, 0.0866,
0.2222

 165.9419, 0.2564,
0.3119

 0.1476, 0.0000,
0.0815

 204.8949, 0.2600,

 0.0000, 0.0000,

0.3132

0.0000

249.5113, 0.2633,
0.3143

■ 29.6299, 0.2163,
0.2960

■ 29.6299, 0.2163,
0.2960

■ 29.2184, 0.2150,
0.2941

■ 30.5243, 0.2195,
0.2997

■ 31.5825, 0.2245,
0.3035

■ 32.8306, 0.2314,
0.3073

■ 34.2886, 0.2402,
0.3111

■ 35.9743, 0.2506,
0.3147

■ 37.9033, 0.2627,
0.3183

■ 40.0897, 0.2759,
0.3216

■ 42.5467, 0.2902,
0.3248

■ 45.2864, 0.3051,
0.3276

Harmonies

Analogous

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



29.6299, 0.2409, 0.3503



29.6299, 0.2163, 0.2960



29.6299, 0.2150, 0.2581

Triad

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



29.6299, 0.2163, 0.2960



29.6299, 0.3337, 0.2687



29.6299, 0.3894, 0.4214

Complementary

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



29.6299, 0.2163, 0.2960



10.7963, 0.6201, 0.3389

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.



29.6299, 0.4197, 0.3892



29.6299, 0.2163, 0.2960



29.6299, 0.3872, 0.3042

Square

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



29.6299, 0.2163, 0.2960



29.6299, 0.2784, 0.2465



29.6299, 0.4197, 0.3468



29.6299, 0.3398, 0.4294

Rectangle

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



29.6299, 0.2163, 0.2960



29.6299, 0.2269, 0.2449



29.6299, 0.4197, 0.3468



29.6299, 0.4023, 0.4126

Sweetspot

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



29.6310, 0.2163, 0.2960



71.2702, 0.2712, 0.3205



33.5804, 0.2977, 0.5871



15.3669, 0.2655, 0.3190



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.



29.6310, 0.2163, 0.2960



52.7738, 0.2149, 0.2935



8.9206, 0.1723, 0.1360



10.0377, 0.2985, 0.3264



20.7000, 0.2152, 0.2946



0.7781, 0.2178, 0.3042

Inverse Universe

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



12.7842, 0.3488, 0.1715



22.7398, 0.3512, 0.1708



21.7342, 0.5036, 0.4340



9.1453, 0.3154, 0.3089



8.8720, 0.3502, 0.1703



0.3176, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 29.6299, 0.2163, 0.2960 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 29.6299, 0.2163, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

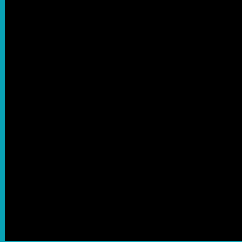
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6299, 0.2163, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 29.6299, 0.2163, 0.2960.

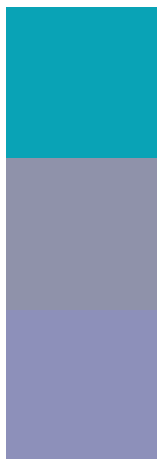


This preview shows how white text looks on a background with the Yxy color 29.6299, 0.2163, 0.2960.

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

29.6299, 0.2163, 0.2960

Protanopia

29.2997, 0.2877, 0.2920

Deuteranopia

29.1544, 0.2724, 0.2663



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.6299, 0.2163, 0.2960



Protanomaly

27.8921, 0.2457, 0.2919



Deuteranomaly

27.9632, 0.2379, 0.2733



Tritanomaly

29.8250, 0.2177, 0.3026

Monochromacy



Original Color

29.6299, 0.2163, 0.2960



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.9432, 0.2523, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6299, 0.2163, 0.2960 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(9, 163, 182)` looks like.

```
.text, #text, p{  
    color:rgb(9, 163, 182)  
}
```

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(9, 163, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 163, 182) }
```

Border

The CSS property to change the border of an element to Yxy 29.6299, 0.2163, 0.2960 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(9, 163, 182) }
```

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

```
.border{ border-color:rgb(9, 163, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 163, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 163, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 163, 182);  
box-shadow:4px 4px 4px 4px rgb(9, 163,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6299, 0.2163, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 163, 182) }
```

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

```
.background{ background-color: rgb(9, 163,  
182) }
```

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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