

Converting Colors

$Y_{xy}(29.1741, 0.2267, 0.3061)$

Have a look what the booklet for
Yxy(29.1741, 0.2267, 0.3061)
contains.

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Color

$\text{Yxy}(29.1741, 0.2267, 0.3061)$

Conversions

Conversions Part 1

Format	Color
Hex	30A1AE
RGB	48, 161, 174
RGB Percent	19%, 63%, 68%
CMY	0.8113, 0.3686, 0.3177
CMYK	0.72, 0.07, 0.00, 0.32
HSL	186°, 57%, 44%
HSV	186°, 72%, 68%
XYZ	21.6066, 29.1741, 44.5284
YIQ	128.6950, -71.5210, -19.9130

Conversions

Conversions Part 2

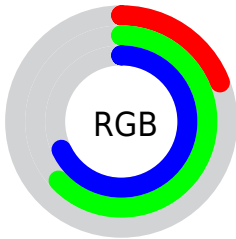
Format	Color
R_{YB}	48, 108, 174
Decimal	3187118
CIE _{Lab}	60.93, -26.46, -15.81
CIE _{LCh}	61, 30.824, 210.851
Y _{xy}	29.1741, 0.2267, 0.3061
Android (android.graphics.Color)	4281377198 (0xFF30A1AE)
YUV	128.6950, 22.3354, -70.7695
Hunter-Lab	54.0131, -23.1184, -11.0696

Details

The Yxy color **29.1741, 0.2267, 0.3061** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.5609, 0.5399, 0.3449**, and the grayscale version is **21.7921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2796, 0.2437, 0.3120**, and **12.3424, 0.2157, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **28.2078, 0.2213, 0.3026**, and if you desaturate by 10%, it is **30.3176, 0.2340, 0.3096**.

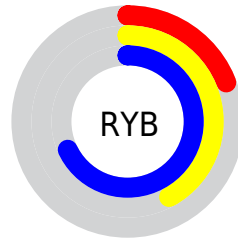
Distribution



Red (19%)

Green (63%)

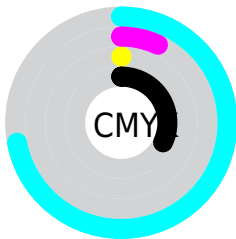
Blue (68%)



Red (19%)

Yellow (42%)

Blue (68%)

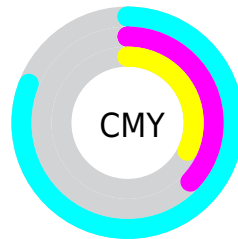


Cyan (72%)

Magenta (7%)

Yellow (0%)

Black (32%)



Cyan (81%)


Magenta (37%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1741, 0.2267, 0.3061 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 29.1741, 0.2267, 0.3061 by changing the saturation by 10% instead.


 29.1741, 0.2267,
0.3061


 29.1741, 0.2267,
0.3061


298.0355, 0.2716,
0.3197

 19.2126, 0.2150,
0.3019


 58.3536, 0.2434,
0.3116

 11.8240, 0.1998,
0.2959


 78.3403, 0.2496,
0.3135


 6.6239, 0.1792,
0.2870


 102.4376, 0.2547,
0.3151

 3.2280, 0.1502,
0.2726

 131.0298, 0.2591,
0.3163

 1.2519, 0.1001,
0.2484

 164.5012, 0.2629,
0.3174

 0.1035, 0.0000,
0.0770

203.2364, 0.2662,

 0.0000, 0.0000,

0.3183

0.0000

247.6197, 0.2690,
0.3191

■ 29.1741, 0.2267,
0.3061

■ 29.1741, 0.2267,
0.3061

■ 28.2078, 0.2213,
0.3026

■ 30.3176, 0.2340,
0.3096

■ 27.3947, 0.2176,
0.2991

■ 31.6524, 0.2432,
0.3131

■ 26.8423, 0.2157,
0.2964

■ 33.1947, 0.2540,
0.3165

■ 34.9583, 0.2663,
0.3198

■ 36.9555, 0.2797,
0.3229

■ 39.1978, 0.2941,
0.3258

■ 41.6959, 0.3091,
0.3284

■ 44.4599, 0.3245,
0.3308

■ 47.4992, 0.3399,
0.3330

Harmonies

Analogous

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



29.1741, 0.2525, 0.3559



29.1741, 0.2267, 0.3061



29.1741, 0.2222, 0.2686

Triad

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



29.1741, 0.2267, 0.3061



29.1741, 0.3244, 0.2700



29.1741, 0.3881, 0.4100

Complementary

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



29.1741, 0.2267, 0.3061



12.5609, 0.5399, 0.3449

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.



29.1741, 0.4117, 0.3792



29.1741, 0.2267, 0.3061



29.1741, 0.3739, 0.3013

Square

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



29.1741, 0.2267, 0.3061



29.1741, 0.2752, 0.2518



29.1741, 0.4069, 0.3400



29.1741, 0.3450, 0.4203

Rectangle

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



29.1741, 0.2267, 0.3061



29.1741, 0.2312, 0.2543



29.1741, 0.4069, 0.3400



29.1741, 0.3987, 0.4014

Sweetspot

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



29.1752, 0.2267, 0.3061



67.0279, 0.2797, 0.3229



31.2314, 0.2968, 0.5392



14.6753, 0.2760, 0.3221



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.1752, 0.2267, 0.3061



50.2313, 0.2188, 0.3004



12.5101, 0.1966, 0.1852



8.9287, 0.2986, 0.3266



19.5232, 0.2158, 0.2968



0.5827, 0.2187, 0.3073

Inverse Universe

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



13.6941, 0.3386, 0.1858



21.7106, 0.3447, 0.1727



23.5367, 0.4597, 0.4302



8.1336, 0.3153, 0.3089



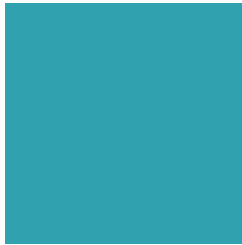
8.2739, 0.3483, 0.1692



0.2342, 0.3390, 0.1641

Previews

White Background



This preview shows how the Yxy color 29.1741, 0.2267, 0.3061 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 29.1741, 0.2267, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

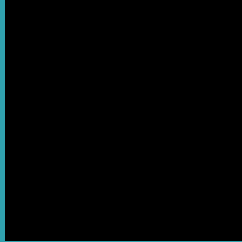
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1741, 0.2267, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 29.1741, 0.2267, 0.3061.

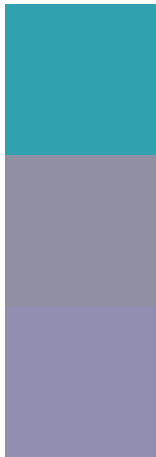


This preview shows how white text looks on a background with the Yxy color 29.1741, 0.2267, 0.3061.

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

29.1741, 0.2267, 0.3061

Protanopia

28.7348, 0.2938, 0.3008

Deuteranopia

28.7886, 0.2816, 0.2761



Tritanopia

29.1741, 0.2267, 0.3061

Trichromacy



Original Color

29.1741, 0.2267, 0.3061

Protanomaly

28.1114, 0.2604, 0.3021

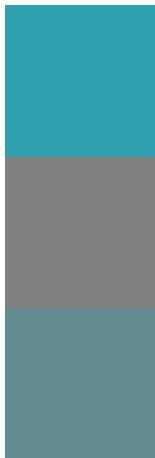
Deuteranomaly

28.2382, 0.2538, 0.2849

Tritanomaly

29.1741, 0.2267, 0.3061

Monochromacy



Original Color

29.1741, 0.2267, 0.3061

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.8034, 0.2687, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1741, 0.2267, 0.3061 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(48, 161, 174)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 174)  
}
```

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(48, 161, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 174) }
```

Border

The CSS property to change the border of an element to Yxy 29.1741, 0.2267, 0.3061 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(48, 161, 174) }
```

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

```
.border{ border-color:rgb(48, 161, 174) }
```

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

Here you see how a box with a 4 pixel rgb(48, 161, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 174);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1741, 0.2267, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 174) }
```

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

```
.background{ background-color: rgb(48, 161,  
174) }
```

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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