

Converting Colors

$Yxy(25.9610, 0.1684, 0.3217)$

Have a look what the booklet for
Yxy(25.9610, 0.1684, 0.3217)
contains.

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Color

Yxy(29.3781, 0.2227, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	01A4A8
RGB	1, 164, 168
RGB Percent	0%, 64%, 66%
CMY	0.9975, 0.3569, 0.3411
CMYK	1.00, 0.02, 0.00, 0.34
HSL	181°, 99%, 33%
HSV	181°, 100%, 66%
XYZ	20.3499, 29.3781, 41.6502
YIQ	115.7190, -98.4320, -33.3120

Conversions

Conversions Part 2

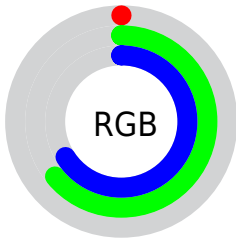
Format	Color
R_{YB}	1, 83, 168
Decimal	107688
CIE _{Lab}	61.11, -33.27, -12.23
CIE _{LCh}	61, 35.444, 200.182
Yxy	29.3781, 0.2227, 0.3215
Android (android.graphics.Color)	4278297768 (0xFF01A4A8)
YUV	115.7190, 25.7745, -100.6086
Hunter-Lab	54.2016, -27.8351, -7.6192

Details

The Yxy color **29.3781, 0.2227, 0.3215** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4289, 0.6374, 0.3315**, and the grayscale version is **17.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4236, 0.2401, 0.3235**, and **12.6298, 0.2211, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **29.3697, 0.2226, 0.3215**, and if you desaturate by 10%, it is **29.6431, 0.2245, 0.3223**.

Distribution



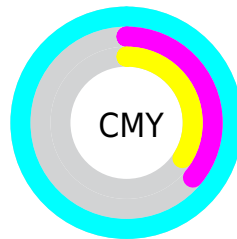
- Red (0%)
- Green (64%)
- Blue (66%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (36%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3781, 0.2227, 0.3215 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 29.3781, 0.2227, 0.3215 by changing the saturation by 10% instead.


 29.3781, 0.2227,
0.3215

 29.3781, 0.2227,
0.3215


 298.9948, 0.2697,
0.3270

 19.3670, 0.2104,
0.3194


 58.6773, 0.2402,
0.3240


 11.9358, 0.1945,
0.3163


 78.7342, 0.2466,
0.3248


 6.7000, 0.1729,
0.3111


 102.9085, 0.2520,
0.3254

 3.2752, 0.1426,
0.3019

 131.5846, 0.2566,
0.3258

 1.2770, 0.0807,
0.2885

 165.1469, 0.2606,
0.3262

 0.1233, 0.0000,
0.1108

 203.9797, 0.2640,

 0.0000, 0.0000,

0.3265

0.0000

248.4676, 0.2670,
0.3268

■ 29.3781, 0.2227,
0.3215

■ 29.3781, 0.2227,
0.3215

■ 29.3697, 0.2226,
0.3215

■ 29.6431, 0.2245,
0.3223

■ 30.0092, 0.2277,
0.3230

■ 30.5156, 0.2327,
0.3238

■ 31.1802, 0.2395,
0.3246

■ 32.0181, 0.2482,
0.3254

■ 33.0430, 0.2586,
0.3262

■ 34.2669, 0.2706,
0.3270

■ 35.7009, 0.2839,
0.3277

■ 37.3553, 0.2982,
0.3284

Harmonies

Analogous

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



29.3781, 0.2592, 0.3805



29.3781, 0.2227, 0.3215



29.3781, 0.2093, 0.2723

Triad

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



29.3781, 0.2227, 0.3215



29.3781, 0.3047, 0.2531



29.3781, 0.4112, 0.4099

Complementary

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



29.3781, 0.2227, 0.3215



8.4289, 0.6374, 0.3315

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.



29.3781, 0.4282, 0.3695



29.3781, 0.2227, 0.3215



29.3781, 0.3637, 0.2835

Square

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



29.3781, 0.2227, 0.3215



29.3781, 0.2530, 0.2388



29.3781, 0.4108, 0.3246



29.3781, 0.3680, 0.4332

Rectangle

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



29.3781, 0.2227, 0.3215



29.3781, 0.2137, 0.2511



29.3781, 0.4108, 0.3246



29.3781, 0.4204, 0.3976

Sweetspot

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



29.3792, 0.2227, 0.3215



61.9492, 0.2694, 0.3269



28.0221, 0.2997, 0.5985



13.3004, 0.2645, 0.3266



84.8088, 0.3127, 0.3290



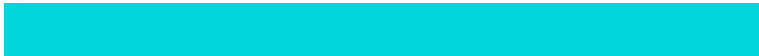
15.4872, 0.3127, 0.3290

Same Dimension

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



29.3792, 0.2227, 0.3215



53.2375, 0.2226, 0.3213



8.7962, 0.1762, 0.1541



8.5006, 0.2987, 0.3284



22.1859, 0.2227, 0.3215



0.5491, 0.2234, 0.3241

Inverse Universe

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



11.0201, 0.3269, 0.1576



19.9631, 0.3271, 0.1575



15.1625, 0.5341, 0.4137



7.6635, 0.3141, 0.3073



8.3107, 0.3269, 0.1574



0.2031, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 29.3781, 0.2227, 0.3215 looks on a white background.

Color Contrast Check

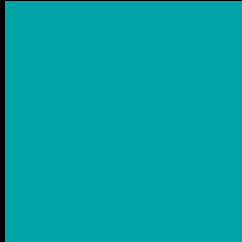
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3781, 0.2227, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

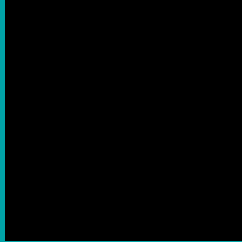
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3781, 0.2227, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 29.3781, 0.2227, 0.3215.



This preview shows how white text looks on a background with the Yxy color 29.3781, 0.2227, 0.3215.

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

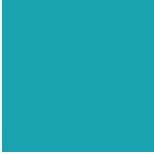
29.3845, 0.2227, 0.3215

Protanopia

29.1031, 0.3023, 0.3118

Deuteranopia

28.9580, 0.2897, 0.2836



Tritanopia

29.5356, 0.2210, 0.3060

Trichromacy



Original Color

29.3845, 0.2227, 0.3215



Protanomaly

27.6828, 0.2541, 0.3149



Deuteranomaly

27.4532, 0.2474, 0.2949



Tritanomaly

29.3217, 0.2212, 0.3110

Monochromacy



Original Color

29.3845, 0.2227, 0.3215



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.9802, 0.2533, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3781, 0.2227, 0.3215 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(1, 164, 168)` looks like.

```
.text, #text, p{  
    color:rgb(1, 164, 168)  
}
```

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(1, 164, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 164, 168) }
```

Border

The CSS property to change the border of an element to Yxy 29.3781, 0.2227, 0.3215 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(1, 164, 168) }
```

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

```
.border{ border-color:rgb(1, 164, 168) }
```

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

Here you see how a box with a 4 pixel rgb(1, 164, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 164, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 164, 168);  
box-shadow:4px 4px 4px 4px rgb(1, 164,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3781, 0.2227, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 164, 168) }
```

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

```
.background{ background-color: rgb(1, 164,  
168) }
```

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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