

Converting Colors

$Yxy(28.5390, 0.2232, 0.3027)$

Have a look what the booklet for
Yxy(28.5390, 0.2232, 0.3027)
contains.

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Color

$\text{Yxy}(28.6289, 0.2236, 0.3041)$

Conversions

Conversions Part 1

Format	Color
Hex	27A0AE
RGB	39, 160, 174
RGB Percent	15%, 63%, 68%
CMY	0.8467, 0.3726, 0.3176
CMYK	0.78, 0.08, 0.00, 0.32
HSL	186°, 63%, 42%
HSV	186°, 78%, 68%
XYZ	21.0504, 28.6289, 44.4638
YIQ	125.4170, -76.6100, -21.2980

Conversions

Conversions Part 2

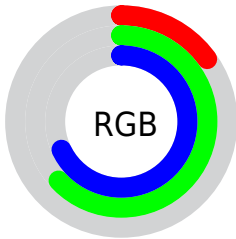
Format	Color
R_{YB}	39, 103, 174
Decimal	2597038
CIE _{Lab}	60.45, -27.02, -16.57
CIE _{LCh}	60, 31.698, 211.508
Yxy	28.6289, 0.2236, 0.3041
Android (android.graphics.Color)	4280787118 (0xFF27A0AE)
YUV	125.4170, 23.9514, -75.7877
Hunter-Lab	53.5060, -23.4098, -11.8161

Details

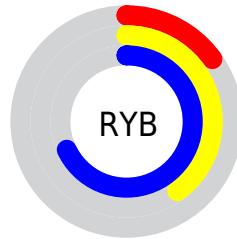
The Yxy color **28.6289, 0.2236, 0.3041** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.7027, 0.5621, 0.3443**, and the grayscale version is **20.6030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4462, 0.2413, 0.3106**, and **12.1303, 0.2149, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **27.7419, 0.2191, 0.3006**, and if you desaturate by 10%, it is **29.6830, 0.2300, 0.3077**.

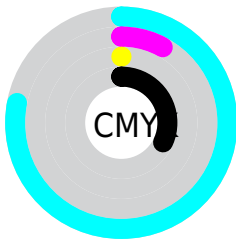
Distribution



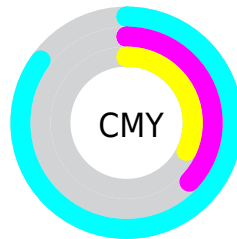
- Red (15%)
- Green (63%)
- Blue (68%)



- Red (15%)
- Yellow (40%)
- Blue (68%)



- Cyan (78%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)





- Cyan (85%)
- Magenta (37%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6289, 0.2236, 0.3041 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 28.6289, 0.2236, 0.3041 by changing the saturation by 10% instead.


 28.6289, 0.2236,
0.3041


 28.6289, 0.2236,
0.3041


295.4600, 0.2701,
0.3189


 18.8003, 0.2115,
0.2995


 57.4870, 0.2409,
0.3101

 11.5260, 0.1957,
0.2930


 77.2852, 0.2473,
0.3122


 6.4218, 0.1743,
0.2834


 101.1754, 0.2527,
0.3138

 3.1032, 0.1444,
0.2676

 129.5420, 0.2572,
0.3152

 1.1859, 0.0899,
0.2422

 162.7693, 0.2611,
0.3164

 0.0501, 0.0000,
0.0390

201.2418, 0.2645,

 0.0000, 0.0000,

0.3174

0.0000

245.3439, 0.2675,
0.3182

■ 28.6289, 0.2236,
0.3041

■ 28.6289, 0.2236,
0.3041

■ 27.7419, 0.2191,
0.3006

■ 29.6830, 0.2300,
0.3077

■ 26.9895, 0.2162,
0.2970

■ 30.9199, 0.2382,
0.3112

■ 26.8118, 0.2156,
0.2962

■ 32.3569, 0.2482,
0.3147

■ 34.0084, 0.2597,
0.3181

■ 35.8874, 0.2726,
0.3213

■ 38.0058, 0.2866,
0.3243

■ 40.3748, 0.3013,
0.3271

■ 43.0046, 0.3165,
0.3296

■ 45.9052, 0.3319,
0.3319

Harmonies

Analogous

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



28.6289, 0.2496, 0.3557



28.6289, 0.2236, 0.3041



28.6289, 0.2195, 0.2659

Triad

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



28.6289, 0.2236, 0.3041



28.6289, 0.3259, 0.2688



28.6289, 0.3897, 0.4131

Complementary

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



28.6289, 0.2236, 0.3041



11.7027, 0.5621, 0.3443

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.



28.6289, 0.4148, 0.3815



28.6289, 0.2236, 0.3041



28.6289, 0.3770, 0.3012

Square

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



28.6289, 0.2236, 0.3041



28.6289, 0.2748, 0.2496



28.6289, 0.4107, 0.3411



28.6289, 0.3448, 0.4235

Rectangle

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



28.6289, 0.2236, 0.3041



28.6289, 0.2290, 0.2515



28.6289, 0.4107, 0.3411



28.6289, 0.4009, 0.4043

Sweetspot

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



28.6300, 0.2236, 0.3041



66.6213, 0.2783, 0.3225



30.9612, 0.2967, 0.5530



14.5131, 0.2734, 0.3214



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.



28.6300, 0.2236, 0.3041



49.3300, 0.2170, 0.2981



11.3291, 0.1899, 0.1735



8.9278, 0.2986, 0.3266



19.4959, 0.2157, 0.2966



0.5822, 0.2187, 0.3072

Inverse Universe

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



12.9949, 0.3407, 0.1805



21.0993, 0.3470, 0.1708



22.5900, 0.4709, 0.4333



8.1335, 0.3153, 0.3089



8.2712, 0.3484, 0.1693



0.2341, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 28.6289, 0.2236, 0.3041 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 28.6289, 0.2236, 0.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

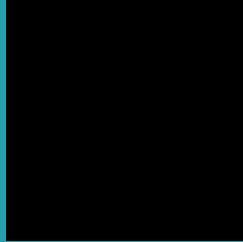
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6289, 0.2236, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 28.6289, 0.2236, 0.3041.

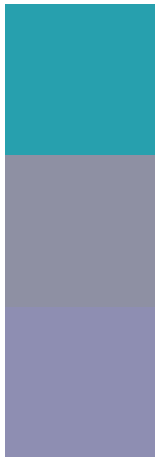


This preview shows how white text looks on a background with the Yxy color 28.6289, 0.2236, 0.3041.

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

28.6289, 0.2236, 0.3041

Protanopia

28.3416, 0.2928, 0.2992

Deuteranopia

28.3111, 0.2796, 0.2742



Tritanopia

28.5708, 0.2238, 0.3058

Trichromacy



Original Color

28.6289, 0.2236, 0.3041

Protanomaly

27.6060, 0.2578, 0.3002

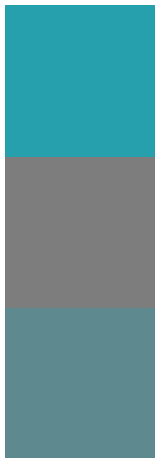
Deuteranomaly

27.6725, 0.2505, 0.2829

Tritanomaly

28.5708, 0.2238, 0.3058

Monochromacy



Original Color

28.6289, 0.2236, 0.3041

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.5398, 0.2645, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6289, 0.2236, 0.3041 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(39, 160, 174)` looks like.

```
.text, #text, p{  
    color:rgb(39, 160, 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(39, 160, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 160, 174) }
```

Border

The CSS property to change the border of an element to Yxy 28.6289, 0.2236, 0.3041 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(39, 160, 174) }
```

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

```
.border{ border-color:rgb(39, 160, 174) }
```

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

Here you see how a box with a 4 pixel rgb(39, 160, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 160, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 160, 174);  
box-shadow:4px 4px 4px 4px rgb(39, 160,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6289, 0.2236, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 160, 174) }
```

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

```
.background{ background-color: rgb(39, 160,  
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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