

Converting Colors

$Yxy(28.0346, 0.2210, 0.2934)$

Have a look what the booklet for
Yxy(28.0346, 0.2210, 0.2934)
contains.

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Color

$Y_{xy}(28.1395, 0.2212, 0.2939)$

Conversions

Conversions Part 1

Format	Color
Hex	299EB2
RGB	41, 158, 178
RGB Percent	16%, 62%, 70%
CMY	0.8388, 0.3804, 0.3020
CMYK	0.77, 0.11, 0.00, 0.30
HSL	189°, 62%, 43%
HSV	189°, 77%, 70%
XYZ	21.1788, 28.1395, 46.4268
YIQ	125.2970, -76.1520, -18.5840

Conversions

Conversions Part 2

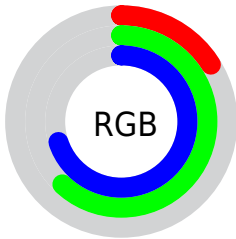
Format	Color
R_{YB}	41, 104, 178
Decimal	2727602
CIE _{Lab}	60.01, -24.52, -19.47
CIE _{LCh}	60, 31.314, 218.454
Yxy	28.1395, 0.2212, 0.2939
Android (android.graphics.Color)	4280917682 (0xFF299EB2)
YUV	125.2970, 25.9826, -73.9285
Hunter-Lab	53.0467, -21.5658, -14.7583

Details

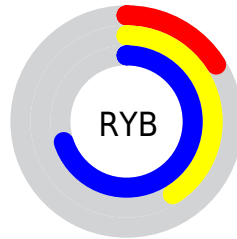
The Yxy color **28.1395, 0.2212, 0.2939** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9717, 0.5532, 0.3512**, and the grayscale version is **20.5537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7802, 0.2389, 0.3018**, and **11.7887, 0.2116, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **26.9754, 0.2161, 0.2888**, and if you desaturate by 10%, it is **29.4899, 0.2282, 0.2990**.

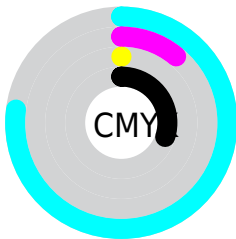
Distribution



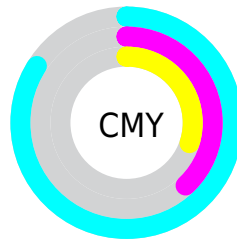
- Red (16%)
- Green (62%)
- Blue (70%)



- Red (16%)
- Yellow (41%)
- Blue (70%)



- Cyan (77%)
- Magenta (11%)
- Yellow (0%)
- Black (30%)





- Cyan (84%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1395, 0.2212, 0.2939 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 28.1395, 0.2212, 0.2939 by changing the saturation by 10% instead.


 28.1395, 0.2212,
0.2939


 28.1395, 0.2212,
0.2939


293.1329, 0.2690,
0.3142

 18.4308, 0.2088,
0.2878


 56.7071, 0.2390,
0.3020

 11.2598, 0.1926,
0.2794


 76.3348, 0.2455,
0.3048

 6.2418, 0.1709,
0.2671


 100.0377, 0.2510,
0.3071

 2.9927, 0.1406,
0.2478

 128.2001, 0.2557,
0.3090

 1.1279, 0.0874,
0.2167

 161.2064, 0.2597,
0.3106

 0.0016, 0.0000,
0.0011

199.4410, 0.2632,

 0.0000, 0.0000,

0.3120

0.0000

243.2884, 0.2663,
0.3132

■ 28.1395, 0.2212,
0.2939

■ 28.1395, 0.2212,
0.2939

■ 26.9754, 0.2161,
0.2888

■ 29.4899, 0.2282,
0.2990

■ 25.9665, 0.2126,
0.2837

■ 31.0434, 0.2371,
0.3041

■ 25.6689, 0.2117,
0.2821

■ 32.8182, 0.2477,
0.3091

■ 34.8294, 0.2598,
0.3138

■ 37.0908, 0.2731,
0.3184

■ 39.6150, 0.2873,
0.3226

■ 42.4138, 0.3022,
0.3265

■ 45.4981, 0.3175,
0.3301

■ 48.8784, 0.3328,
0.3333

Harmonies

Analogous

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



28.1395, 0.2422, 0.3433



28.1395, 0.2212, 0.2939



28.1395, 0.2223, 0.2603

Triad

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



28.1395, 0.2212, 0.2939



28.1395, 0.3382, 0.2756



28.1395, 0.3802, 0.4174

Complementary

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



28.1395, 0.2212, 0.2939



12.9717, 0.5532, 0.3512

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.



28.1395, 0.4107, 0.3897



28.1395, 0.2212, 0.2939



28.1395, 0.3865, 0.3101

Square

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



28.1395, 0.2212, 0.2939



28.1395, 0.2860, 0.2531



28.1395, 0.4138, 0.3506



28.1395, 0.3329, 0.4209

Rectangle

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



28.1395, 0.2212, 0.2939



28.1395, 0.2350, 0.2492



28.1395, 0.4138, 0.3506



28.1395, 0.3929, 0.4102

Sweetspot

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



28.1405, 0.2212, 0.2939



68.8238, 0.2780, 0.3199



32.6283, 0.2948, 0.5455



14.8972, 0.2730, 0.3183



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.1405, 0.2212, 0.2939



47.6786, 0.2136, 0.2854



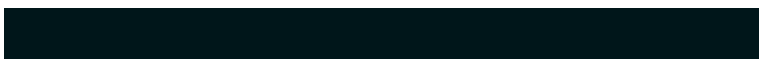
11.2202, 0.1883, 0.1661



9.4158, 0.2986, 0.3256



18.4409, 0.2119, 0.2827



0.6377, 0.2158, 0.2969

Inverse Universe

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



13.5251, 0.3494, 0.1866



21.8265, 0.3583, 0.1775



25.0095, 0.4640, 0.4387



8.6250, 0.3159, 0.3098



8.4017, 0.3610, 0.1762



0.2702, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 28.1395, 0.2212, 0.2939 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 28.1395, 0.2212, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

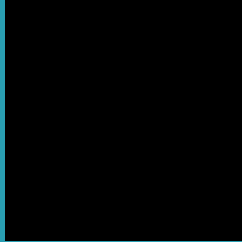
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1395, 0.2212, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 28.1395, 0.2212, 0.2939.

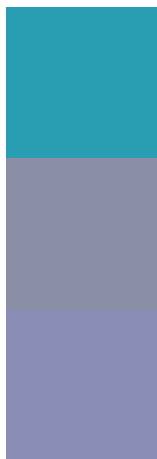


This preview shows how white text looks on a background with the Yxy color 28.1395, 0.2212, 0.2939.

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

28.1395, 0.2212, 0.2939

Protanopia

27.6250, 0.2862, 0.2897

Deuteranopia

27.8304, 0.2725, 0.2666



Tritanopia

28.1499, 0.2234, 0.3056

Trichromacy



Original Color

28.1395, 0.2212, 0.2939



Protanomaly

27.0036, 0.2530, 0.2902



Deuteranomaly

27.0872, 0.2459, 0.2733



Tritanomaly

28.2643, 0.2229, 0.3023

Monochromacy



Original Color

28.1395, 0.2212, 0.2939



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.2846, 0.2634, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1395, 0.2212, 0.2939 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(41, 158, 178)` looks like.

```
.text, #text, p{  
    color:rgb(41, 158, 178)  
}
```

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(41, 158, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 158, 178) }
```

Border

The CSS property to change the border of an element to Yxy 28.1395, 0.2212, 0.2939 is called "border". The border property can be set on classes, ids or directly on the HTML element.

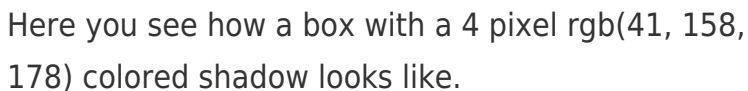
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 158, 178) }
```

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

```
.border{ border-color:rgb(41, 158, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(41, 158, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 158, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 158, 178);  
box-shadow:4px 4px 4px 4px rgb(41, 158,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1395, 0.2212, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 158, 178) }
```

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

```
.background{ background-color: rgb(41, 158,  
178) }
```

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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