

Converting Colors

$Yxy(28.5288, 0.2179, 0.2892)$

Have a look what the booklet for
Yxy(28.5288, 0.2179, 0.2892)
contains.

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Color

Yxy(28.4970, 0.2178, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	219FB6
RGB	33, 159, 182
RGB Percent	13%, 62%, 71%
CMY	0.8695, 0.3765, 0.2862
CMYK	0.82, 0.13, 0.00, 0.29
HSL	189°, 69%, 42%
HSV	189°, 82%, 71%
XYZ	21.4763, 28.4970, 48.6323
YIQ	123.9480, -82.4790, -19.5590

Conversions

Conversions Part 2

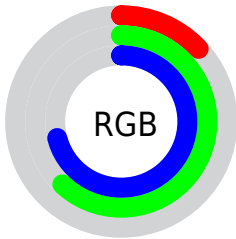
Format	Color
R_{YB}	33, 101, 182
Decimal	2203574
CIE _{Lab}	60.34, -24.49, -21.27
CIE _{LCh}	60, 32.437, 220.971
Yxy	28.4970, 0.2178, 0.2890
Android (android.graphics.Color)	4280393654 (0xFF219FB6)
YUV	123.9480, 28.6196, -79.7614
Hunter-Lab	53.3826, -21.6074, -16.6462

Details

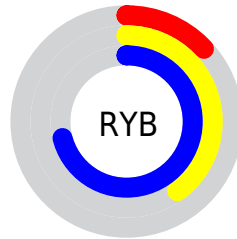
The Yxy color **28.4970, 0.2178, 0.2890** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.9162, 0.5713, 0.3513**, and the grayscale version is **20.0882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3304, 0.2362, 0.2981**, and **12.1004, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **27.3142, 0.2134, 0.2836**, and if you desaturate by 10%, it is **29.8666, 0.2240, 0.2945**.

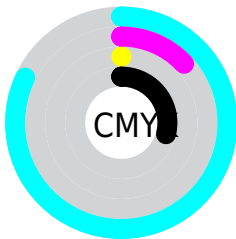
Distribution



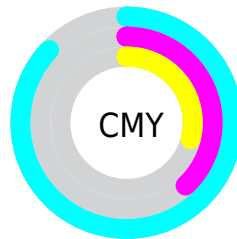
- Red (13%)
- Green (62%)
- Blue (71%)



- Red (13%)
- Yellow (40%)
- Blue (71%)



- Cyan (82%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)



- Cyan (87%)
- Magenta (38%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4970, 0.2178, 0.2890 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 28.4970, 0.2178, 0.2890 by changing the saturation by 10% instead.


 28.4970, 0.2178,
0.2890


 28.4970, 0.2178,
0.2890


294.8342, 0.2671,
0.3119


 18.7006, 0.2051,
0.2823


 57.2770, 0.2361,
0.2981


 11.4542, 0.1886,
0.2730


 77.0293, 0.2428,
0.3012


 6.3732, 0.1666,
0.2596


 100.8692, 0.2485,
0.3038

 3.0733, 0.1363,
0.2388

 129.1809, 0.2534,
0.3060

 1.1701, 0.0860,
0.2055

 162.3489, 0.2575,
0.3078

 0.0371, 0.0000,
0.0221

200.7575, 0.2611,

 0.0000, 0.0000,

0.3094

0.0000

244.7911, 0.2643,
0.3108

■ 28.4970, 0.2178,
0.2890

■ 28.4970, 0.2178,
0.2890

■ 27.3142, 0.2134,
0.2836

■ 29.8666, 0.2240,
0.2945

■ 26.4351, 0.2109,
0.2791

■ 31.4429, 0.2321,
0.2999

■ 33.2465, 0.2420,
0.3053

■ 35.2941, 0.2536,
0.3105

■ 37.6012, 0.2664,
0.3154

■ 40.1816, 0.2803,
0.3201

■ 43.0481, 0.2950,
0.3244

■ 46.2127, 0.3101,
0.3284

■ 49.6868, 0.3254,
0.3319

Harmonies

Analogous

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



28.4970, 0.2374, 0.3390



28.4970, 0.2178, 0.2890



28.4970, 0.2208, 0.2562

Triad

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



28.4970, 0.2178, 0.2890



28.4970, 0.3435, 0.2766



28.4970, 0.3785, 0.4215

Complementary

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



28.4970, 0.2178, 0.2890



12.9162, 0.5713, 0.3513

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.



28.4970, 0.4120, 0.3943



28.4970, 0.2178, 0.2890



28.4970, 0.3923, 0.3128

Square

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



28.4970, 0.2178, 0.2890



28.4970, 0.2894, 0.2523



28.4970, 0.4180, 0.3545



28.4970, 0.3289, 0.4229

Rectangle

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



28.4970, 0.2178, 0.2890



28.4970, 0.2351, 0.2461



28.4970, 0.4180, 0.3545



28.4970, 0.3921, 0.4147

Sweetspot

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



28.4980, 0.2178, 0.2890



71.0429, 0.2751, 0.3184



34.0716, 0.2941, 0.5544



15.3311, 0.2702, 0.3168



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.



28.4980, 0.2178, 0.2890



48.0060, 0.2111, 0.2793



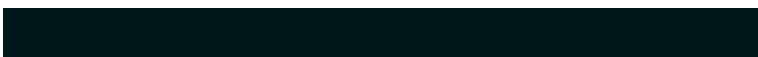
10.2559, 0.1812, 0.1504



9.9674, 0.2985, 0.3254



18.7437, 0.2110, 0.2797



0.7253, 0.2149, 0.2937

Inverse Universe

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



13.5529, 0.3542, 0.1839



22.3583, 0.3641, 0.1785



26.0121, 0.4702, 0.4440



9.1382, 0.3160, 0.3099



8.6745, 0.3637, 0.1777



0.3123, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 28.4970, 0.2178, 0.2890 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 28.4970, 0.2178, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

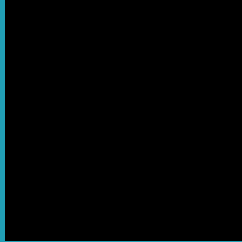
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4970, 0.2178, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 28.4970, 0.2178, 0.2890.

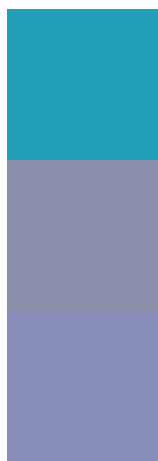


This preview shows how white text looks on a background with the Yxy color 28.4970, 0.2178, 0.2890.

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

28.4970, 0.2178, 0.2890

Protanopia

28.0742, 0.2828, 0.2854

Deuteranopia

28.2095, 0.2685, 0.2626



Tritanopia

28.3293, 0.2205, 0.3056

Trichromacy



Original Color

28.4970, 0.2178, 0.2890

Protanomaly

27.3567, 0.2490, 0.2856

Deuteranomaly

27.3352, 0.2408, 0.2688

Tritanomaly

28.4958, 0.2197, 0.3006

Monochromacy



Original Color

28.4970, 0.2178, 0.2890

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.1598, 0.2601, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4970, 0.2178, 0.2890 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(33, 159, 182)` looks like.

```
.text, #text, p{  
    color:rgb(33, 159, 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(33, 159, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 159, 182) }
```

Border

The CSS property to change the border of an element to Yxy 28.4970, 0.2178, 0.2890 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(33, 159, 182) }
```

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

```
.border{ border-color:rgb(33, 159, 182) }
```

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

Here you see how a box with a 4 pixel rgb(33, 159, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 159, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 159, 182);  
box-shadow:4px 4px 4px 4px rgb(33, 159,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4970, 0.2178, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 159, 182) }
```

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

```
.background{ background-color: rgb(33, 159,  
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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