

Converting Colors

$Y_{xy}(29.5654, 0.1987, 0.2225)$

Have a look what the booklet for
Yxy(29.5654, 0.1987, 0.2225)
contains.

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Color

Yxy(29.6981, 0.1988, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	249CE3
RGB	36, 156, 227
RGB Percent	14%, 61%, 89%
CMY	0.8595, 0.3882, 0.1098
CMYK	0.84, 0.31, 0.00, 0.11
HSL	202°, 77%, 52%
HSV	202°, 84%, 89%
XYZ	26.4753, 29.6981, 77.0020
YIQ	128.2140, -94.3110, -3.3590

Conversions

Conversions Part 2

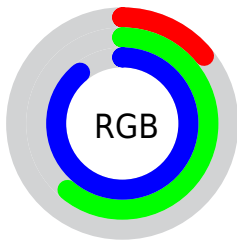
Format	Color
R _Y B	36, 110, 227
Decimal	2399459
CIE Lab	61.39, -7.05, -44.75
CIE LCh	61, 45.303, 261.048
Yxy	29.6981, 0.1988, 0.2230
Android (android.graphics.Color)	4280589539 (0xFF249CE3)
YUV	128.2140, 48.7015, -80.8717
Hunter-Lab	54.4960, -8.6490, -45.6287

Details

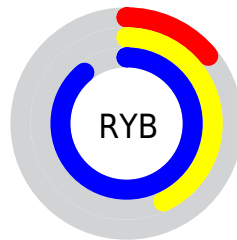
The Yxy color **29.6981, 0.1988, 0.2230** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **26.9326, 0.5391, 0.3900**, and the grayscale version is **21.5017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9580, 0.2314, 0.2736**, and **13.0434, 0.1884, 0.1981** is the 20% darker color. If you saturate the color by 10%, you get **26.6819, 0.1922, 0.2088**, and if you desaturate by 10%, it is **33.1705, 0.2075, 0.2374**.

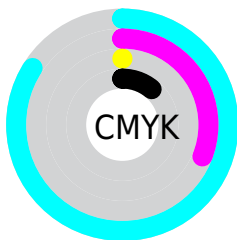
Distribution



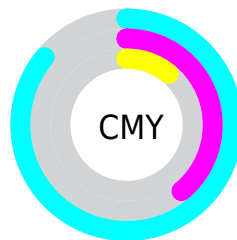
- Red (14%)
- Green (61%)
- Blue (89%)



- Red (14%)
- Yellow (43%)
- Blue (89%)



- Cyan (84%)
- Magenta (31%)
- Yellow (0%)
- Black (11%)



- Cyan (86%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6981, 0.1988, 0.2230 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 29.6981, 0.1988, 0.2230 by changing the saturation by 10% instead.


 29.6981, 0.1988,
0.2230


 29.6981, 0.1988,
0.2230


300.4947, 0.2563,
0.2777

 19.6096, 0.1848,
0.2094


 59.1844, 0.2195,
0.2430

 12.1115, 0.1674,
0.1921


 79.3510, 0.2274,
0.2505


 6.8197, 0.1452,
0.1697


 103.6456, 0.2340,
0.2568

 3.3496, 0.1166,
0.1403

 132.4528, 0.2398,
0.2622

 1.3169, 0.0804,
0.1017

 166.1569, 0.2447,
0.2669

 0.1542, 0.0000,
0.0264

205.1424, 0.2491,

 0.0000, 0.0000,

0.2710

0.0000

249.7935, 0.2529,
0.2745

■ 29.6981, 0.1988,
0.2230

■ 29.6981, 0.1988,
0.2230

■ 26.6819, 0.1922,
0.2088

■ 33.1705, 0.2075,
0.2374

■ 25.1022, 0.1891,
0.2008

■ 37.1427, 0.2183,
0.2519

■ 41.6540, 0.2308,
0.2660

■ 46.7383, 0.2447,
0.2796

■ 52.4257, 0.2596,
0.2924

■ 58.7441, 0.2750,
0.3043

■ 65.7190, 0.2907,
0.3152

■ 73.3744, 0.3063,
0.3251

■ 81.7330, 0.3215,
0.3340

Harmonies

Analogous

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



29.6981, 0.1852, 0.2547



29.6981, 0.1988, 0.2230



29.6981, 0.2392, 0.2182

Triad

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



29.6981, 0.1988, 0.2230



29.6981, 0.4390, 0.3229



29.6981, 0.3077, 0.4525

Complementary

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



29.6981, 0.1988, 0.2230



26.9326, 0.5391, 0.3900

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.



29.6981, 0.3778, 0.4619



29.6981, 0.1988, 0.2230



29.6981, 0.4587, 0.3775

Square

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



29.6981, 0.1988, 0.2230



29.6981, 0.3791, 0.2734



29.6981, 0.4340, 0.4289



29.6981, 0.2427, 0.3934

Rectangle

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



29.6981, 0.1988, 0.2230



29.6981, 0.2800, 0.2280



29.6981, 0.4340, 0.4289



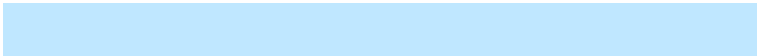
29.6981, 0.3315, 0.4616

Sweetspot

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



29.6991, 0.1988, 0.2230



75.6649, 0.2736, 0.3032



56.3439, 0.2799, 0.5122



15.5583, 0.2681, 0.2991



0.0000, 0.0000, 0.0000



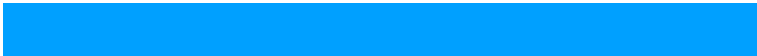
21.4041, 0.3127, 0.3290

Same Dimension

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



29.6991, 0.1988, 0.2230



32.4711, 0.1889, 0.1999



9.2901, 0.1641, 0.0937



15.3896, 0.2981, 0.3201



14.8716, 0.1897, 0.2029



1.2754, 0.1954, 0.2233

Inverse Universe

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



19.9820, 0.4182, 0.2182



23.8091, 0.4454, 0.2227



58.4639, 0.4358, 0.4808



14.5197, 0.3194, 0.3143



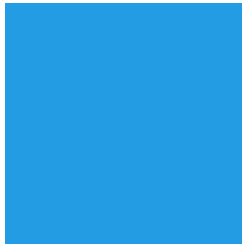
10.6990, 0.4420, 0.2209



0.8084, 0.4197, 0.2085

Previews

White Background



This preview shows how the Yxy color 29.6981, 0.1988, 0.2230 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 29.6981, 0.1988, 0.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

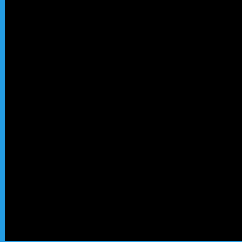
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

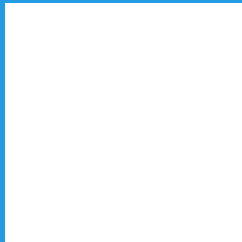
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6981, 0.1988, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 29.6981, 0.1988, 0.2230.

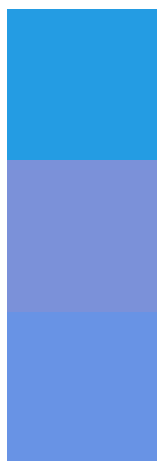


This preview shows how white text looks on a background with the Yxy color 29.6981, 0.1988, 0.2230.

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

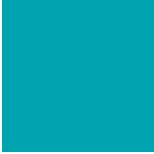
29.6981, 0.1988, 0.2230

Protanopia

29.4715, 0.2371, 0.2267

Deuteranopia

29.4676, 0.2195, 0.2136



Tritanopia

29.6855, 0.2188, 0.3077

Trichromacy



Original Color

29.6981, 0.1988, 0.2230

Protanomaly

28.9395, 0.2170, 0.2234

Deuteranomaly

29.0764, 0.2088, 0.2158

Tritanomaly

29.5154, 0.2100, 0.2723

Monochromacy



Original Color

29.6981, 0.1988, 0.2230

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.2370, 0.2483, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6981, 0.1988, 0.2230 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(36, 156, 227)` looks like.

```
.text, #text, p{  
  color:rgb(36, 156, 227)  
}
```

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(36, 156, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 156, 227) }
```

Border

The CSS property to change the border of an element to Yxy 29.6981, 0.1988, 0.2230 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(36, 156, 227) }
```

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

```
.border{ border-color:rgb(36, 156, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 156, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 156, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 156, 227);  
box-shadow:4px 4px 4px 4px rgb(36, 156,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6981, 0.1988, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 156, 227) }
```

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

```
.background{ background-color: rgb(36, 156,  
227) }
```

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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