

Converting Colors

$Y_{xy}(30.0290, 0.2210, 0.2833)$

Have a look what the booklet for
Yxy(30.0290, 0.2210, 0.2833)
contains.

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Color

$\text{Yxy}(29.9207, 0.2207, 0.2823)$

Conversions

Conversions Part 1

Format	Color
Hex	35A1BD
RGB	53, 161, 189
RGB Percent	21%, 63%, 74%
CMY	0.7926, 0.3686, 0.2589
CMYK	0.72, 0.15, 0.00, 0.26
HSL	192°, 56%, 47%
HSV	192°, 72%, 74%
XYZ	23.3918, 29.9207, 52.6765
YIQ	131.9000, -73.3560, -14.1880

Conversions

Conversions Part 2

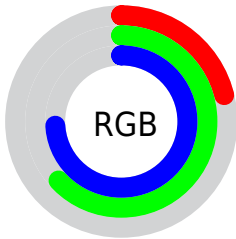
Format	Color
R _Y B	53, 113, 189
Decimal	3514813
CIE Lab	61.59, -21.08, -23.24
CIE LCh	62, 31.377, 227.781
Yxy	29.9207, 0.2207, 0.2823
Android (android.graphics.Color)	4281704893 (0xFF35A1BD)
YUV	131.9000, 28.1503, -69.1953
Hunter-Lab	54.6998, -19.3911, -18.8071




Details

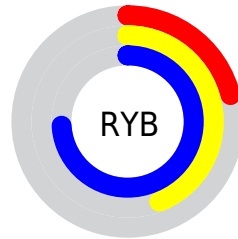
The Yxy color **29.9207, 0.2207, 0.2823** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.9350, 0.5245, 0.3617**, and the grayscale version is **22.9417, 0.3127, 0.3290**.




A 20% lighter version of the original color is **59.5559, 0.2385, 0.2928**, and **12.7149, 0.2072, 0.2657** is the 20% darker color. If you saturate the color by 10%, you get **28.1714, 0.2138, 0.2748**, and if you desaturate by 10%, it is **31.9161, 0.2295, 0.2897**.

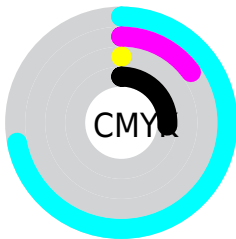
Distribution







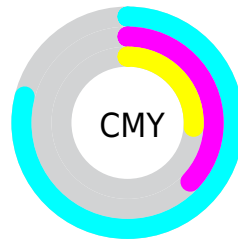
-  Red (21%)
-  Green (63%)
-  Blue (74%)






-  Red (21%)
-  Yellow (44%)
-  Blue (74%)



-  Cyan (72%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (26%)




-  Cyan (79%)
-  Magenta (37%)
-  Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9207, 0.2207, 0.2823 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 29.9207, 0.2207, 0.2823 by changing the saturation by 10% instead.


 29.9207, 0.2207,
0.2823


 29.9207, 0.2207,
0.2823


301.5346, 0.2682,
0.3084


 19.7784, 0.2086,
0.2749

 59.5367, 0.2382,
0.2924

 12.2341, 0.1929,
0.2649


 79.7793, 0.2447,
0.2960

 6.9033, 0.1722,
0.2508


 104.1574, 0.2502,
0.2990

 3.4017, 0.1436,
0.2296

 133.0554, 0.2548,
0.3015

 1.3449, 0.1024,
0.1955

 166.8577, 0.2589,
0.3036

 0.1756, 0.0000,
0.0775

205.9488, 0.2624,

 0.0000, 0.0000,

0.3054

0.0000

250.7130, 0.2654,
0.3070

■ 29.9207, 0.2207,
0.2823

■ 29.9207, 0.2207,
0.2823

■ 28.1714, 0.2138,
0.2748

■ 31.9161, 0.2295,
0.2897

■ 26.6391, 0.2089,
0.2674

■ 34.1758, 0.2400,
0.2970

■ 25.5333, 0.2060,
0.2615

■ 36.7200, 0.2520,
0.3040

■ 39.5656, 0.2653,
0.3107

■ 42.7281, 0.2796,
0.3169

■ 46.2219, 0.2944,
0.3227

■ 50.0603, 0.3096,
0.3280

■ 54.2558, 0.3249,
0.3328

■ 58.8205, 0.3400,
0.3370

Harmonies

Analogous

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



29.9207, 0.2347, 0.3270



29.9207, 0.2207, 0.2823



29.9207, 0.2285, 0.2553

Triad

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



29.9207, 0.2207, 0.2823



29.9207, 0.3538, 0.2861



29.9207, 0.3658, 0.4200

Complementary

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



29.9207, 0.2207, 0.2823



16.9350, 0.5245, 0.3617

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.



29.9207, 0.4022, 0.3989



29.9207, 0.2207, 0.2823



29.9207, 0.3964, 0.3226

Square

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



29.9207, 0.2207, 0.2823



29.9207, 0.3019, 0.2596



29.9207, 0.4143, 0.3628



29.9207, 0.3169, 0.4138

Rectangle

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



29.9207, 0.2207, 0.2823



29.9207, 0.2452, 0.2484



29.9207, 0.4143, 0.3628



29.9207, 0.3800, 0.4154

Sweetspot

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



29.9218, 0.2207, 0.2823



76.3430, 0.2791, 0.3167



37.7224, 0.2907, 0.5195



16.0763, 0.2752, 0.3151



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.9218, 0.2207, 0.2823



48.9492, 0.2110, 0.2708



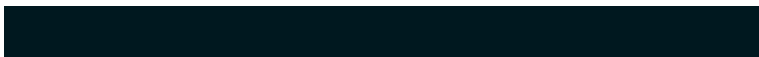
12.3811, 0.1905, 0.1613



10.4675, 0.2985, 0.3242



17.2944, 0.2062, 0.2624



0.7630, 0.2112, 0.2801

Inverse Universe

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



15.9256, 0.3590, 0.1993



24.7786, 0.3713, 0.1886



32.3002, 0.4451, 0.4460



9.6618, 0.3168, 0.3110



8.7756, 0.3801, 0.1867



0.3524, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 29.9207, 0.2207, 0.2823 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 29.9207, 0.2207, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

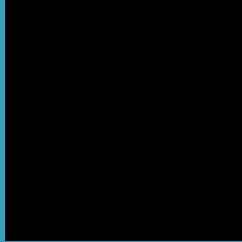
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9207, 0.2207, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 29.9207, 0.2207, 0.2823.

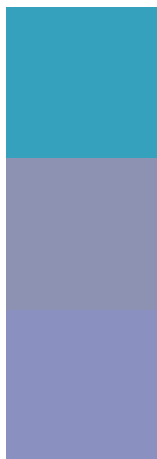


This preview shows how white text looks on a background with the Yxy color 29.9207, 0.2207, 0.2823.

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

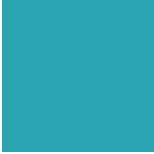
29.9207, 0.2207, 0.2823

Protanopia

29.4752, 0.2782, 0.2790

Deuteranopia

29.5043, 0.2645, 0.2582



Tritanopia

29.8644, 0.2253, 0.3062

Trichromacy



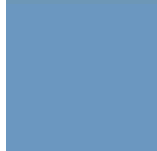
Original Color

29.9207, 0.2207, 0.2823



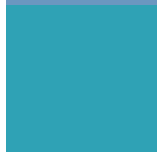
Protanomaly

28.8033, 0.2499, 0.2777



Deuteranomaly

29.0648, 0.2427, 0.2647



Tritanomaly

29.7812, 0.2232, 0.2963

Monochromacy



Original Color

29.9207, 0.2207, 0.2823



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

24.8284, 0.2652, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9207, 0.2207, 0.2823 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(53, 161, 189)` looks like.

```
.text, #text, p{  
    color:rgb(53, 161, 189)  
}
```

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(53, 161, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 161, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.9207, 0.2207, 0.2823 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(53, 161, 189) }
```

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

```
.border{ border-color:rgb(53, 161, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 161, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 161, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 161, 189);  
box-shadow:4px 4px 4px 4px rgb(53, 161,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9207, 0.2207, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 161, 189) }
```

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

```
.background{ background-color: rgb(53, 161,  
189) }
```

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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