

Converting Colors

$Y_{xy}(27.2070, 0.2144, 0.2709)$

Have a look what the booklet for
Yxy(27.2070, 0.2144, 0.2709)
contains.

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Color

Yxy(27.2135, 0.2145, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	299ABC
RGB	41, 154, 188
RGB Percent	16%, 60%, 74%
CMY	0.8391, 0.3961, 0.2627
CMYK	0.78, 0.18, 0.00, 0.26
HSL	194°, 64%, 45%
HSV	194°, 78%, 74%
XYZ	21.5478, 27.2135, 51.6946
YIQ	124.0890, -78.2620, -13.3820

Conversions

Conversions Part 2

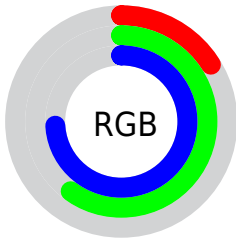
Format	Color
R_{YB}	41, 105, 188
Decimal	2726588
CIE _{Lab}	59.17, -19.14, -26.42
CIE _{LCh}	59, 32.622, 234.080
Yxy	27.2135, 0.2145, 0.2709
Android (android.graphics.Color)	4280916668 (0xFF299ABC)
YUV	124.0890, 31.5081, -72.8691
Hunter-Lab	52.1666, -17.5607, -22.2370

Details

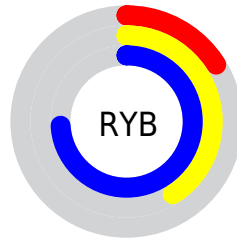
The Yxy color **27.2135, 0.2145, 0.2709** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.8882, 0.5443, 0.3655**, and the grayscale version is **20.1030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4476, 0.2338, 0.2845**, and **11.4498, 0.2035, 0.2526** is the 20% darker color. If you saturate the color by 10%, you get **25.5058, 0.2085, 0.2624**, and if you desaturate by 10%, it is **29.1597, 0.2225, 0.2794**.

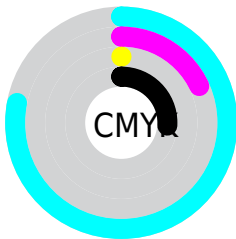
Distribution



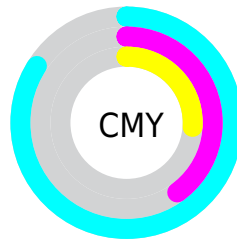
- Red (16%)
- Green (60%)
- Blue (74%)



- Red (16%)
- Yellow (41%)
- Blue (74%)



- Cyan (78%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)



- Cyan (84%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2135, 0.2145, 0.2709 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 27.2135, 0.2145, 0.2709 by changing the saturation by 10% instead.

■ 27.2135, 0.2145,
0.2709

■ 27.2135, 0.2145,
0.2709

■ 288.6894, 0.2657,
0.3033

■ 17.7336, 0.2013,
0.2617

■ 55.2263, 0.2335,
0.2835

■ 10.7589, 0.1843,
0.2494

■ 74.5280, 0.2405,
0.2880

■ 5.9050, 0.1616,
0.2319

■ 97.8724, 0.2464,
0.2917

■ 2.7874, 0.1306,
0.2059

■ 125.6440, 0.2514,
0.2948

■ 1.0218, 0.0809,
0.1661

■ 158.2270, 0.2557,
0.2974

■ 0.0000, 0.0000,
0.0000

196.0060, 0.2595,

0.2997

239.3654, 0.2628,
0.3016

■ 27.2135, 0.2145,
0.2709

■ 27.2135, 0.2145,
0.2709

■ 25.5058, 0.2085,
0.2624

■ 29.1597, 0.2225,
0.2794

■ 23.9964, 0.2042,
0.2540

■ 31.3652, 0.2323,
0.2878

■ 23.7320, 0.2035,
0.2524

■ 33.8513, 0.2438,
0.2960

■ 36.6362, 0.2566,
0.3038

■ 39.7361, 0.2705,
0.3111

■ 43.1659, 0.2852,
0.3180

■ 46.9397, 0.3003,
0.3243

■ 51.0705, 0.3155,
0.3300

■ 55.5704, 0.3306,
0.3351

Harmonies

Analogous

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



27.2135, 0.2244, 0.3153



27.2135, 0.2145, 0.2709



27.2135, 0.2275, 0.2469

Triad

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



27.2135, 0.2145, 0.2709



27.2135, 0.3677, 0.2906



27.2135, 0.3588, 0.4282

Complementary

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



27.2135, 0.2145, 0.2709



15.8882, 0.5443, 0.3655

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.



27.2135, 0.4019, 0.4100



27.2135, 0.2145, 0.2709



27.2135, 0.4092, 0.3307

Square

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



27.2135, 0.2145, 0.2709



27.2135, 0.3125, 0.2599



27.2135, 0.4215, 0.3733



27.2135, 0.3055, 0.4148

Rectangle

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



27.2135, 0.2145, 0.2709



27.2135, 0.2481, 0.2428



27.2135, 0.4215, 0.3733



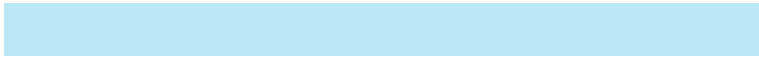
27.2135, 0.3751, 0.4251

Sweetspot

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



27.2145, 0.2145, 0.2709



74.9212, 0.2775, 0.3145



36.9187, 0.2897, 0.5322



15.6373, 0.2722, 0.3120



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.



27.2145, 0.2145, 0.2709



44.1879, 0.2052, 0.2562



10.2393, 0.1810, 0.1419



10.4251, 0.2985, 0.3236



16.2747, 0.2038, 0.2535



0.7305, 0.2093, 0.2736

Inverse Universe

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



14.6127, 0.3702, 0.1977



23.4959, 0.3858, 0.1920



31.5208, 0.4527, 0.4534



9.6575, 0.3172, 0.3115



8.6726, 0.3888, 0.1915



0.3491, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 27.2135, 0.2145, 0.2709 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 27.2135, 0.2145, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

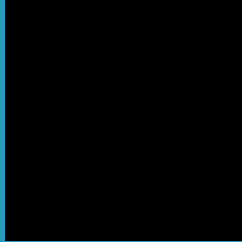
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2135, 0.2145, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 27.2135, 0.2145, 0.2709.

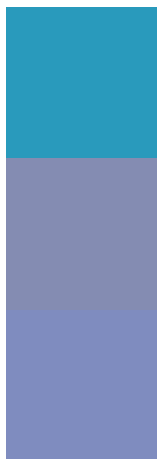


This preview shows how white text looks on a background with the Yxy color 27.2135, 0.2145, 0.2709.

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

27.2135, 0.2145, 0.2709

Protanopia

26.8761, 0.2701, 0.2696

Deuteranopia

27.0298, 0.2558, 0.2512



Tritanopia

27.1448, 0.2199, 0.3052

Trichromacy



Original Color

27.2135, 0.2145, 0.2709

Protanomaly

26.2808, 0.2418, 0.2680

Deuteranomaly

26.4553, 0.2348, 0.2562

Tritanomaly

27.1709, 0.2173, 0.2916

Monochromacy



Original Color

27.2135, 0.2145, 0.2709

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.8142, 0.2605, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2135, 0.2145, 0.2709 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, 154, 188)` looks like.

```
.text, #text, p{  
    color:rgb(41, 154, 188)  
}
```

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, 154, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 154, 188) }
```

Border

The CSS property to change the border of an element to Yxy 27.2135, 0.2145, 0.2709 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, 154, 188) }
```

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

```
.border{ border-color:rgb(41, 154, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 154, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 154, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 154, 188);  
box-shadow:4px 4px 4px 4px rgb(41, 154,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2135, 0.2145, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 154, 188) }
```

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

```
.background{ background-color: rgb(41, 154,  
188) }
```

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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