

Converting Colors

$Yxy(23.9360, 0.1511, 0.2405)$

Have a look what the booklet for
Yxy(23.9360, 0.1511, 0.2405)
contains.

Yxy(27.7545, 0.2028, 0.2502)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7545, 0.2028, 0.2502)

Conversions

Conversions Part 1

Format	Color
Hex	009BCB
RGB	0, 155, 203
RGB Percent	0%, 61%, 80%
CMY	1.0000, 0.3921, 0.2039
CMYK	1.00, 0.24, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.4965, 27.7545, 60.6783
YIQ	114.1270, -107.7880, -17.9320

Conversions

Conversions Part 2

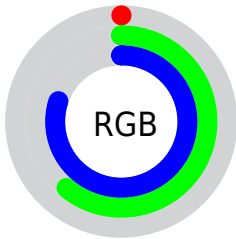
Format	Color
R _{YB}	0, 88, 203
Decimal	39883
CIE Lab	59.67, -16.86, -34.12
CIE LCh	60, 38.063, 243.707
Yxy	27.7545, 0.2028, 0.2502
Android (android.graphics.Color)	4278229963 (0xFF009BCB)
YUV	114.1270, 43.8144, -100.0894
Hunter-Lab	52.6825, -15.9715, -31.4108

Details

The Yxy color **27.7545, 0.2028, 0.2502** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.8121, 0.6116, 0.3526**, and the grayscale version is **16.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5303, 0.2254, 0.2715**, and **12.0706, 0.1970, 0.2292** is the 20% darker color. If you saturate the color by 10%, you get **27.7589, 0.2028, 0.2502**, and if you desaturate by 10%, it is **29.5406, 0.2069, 0.2589**.

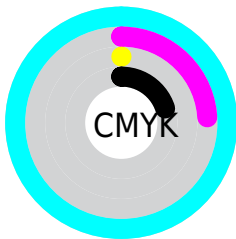
Distribution



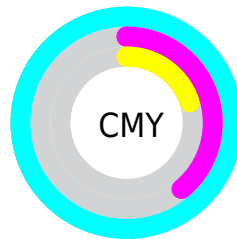
- Red (0%)
- Green (61%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7545, 0.2028, 0.2502 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 27.7545, 0.2028, 0.2502 by changing the saturation by 10% instead.

■ 27.7545, 0.2028,
0.2502

■ 27.7545, 0.2028,
0.2502

■ 291.2920, 0.2593,
0.2931

■ 18.1407, 0.1886,
0.2386

■ 56.0923, 0.2235,
0.2665

■ 11.0510, 0.1707,
0.2234

■ 75.5850, 0.2312,
0.2724

■ 6.1012, 0.1473,
0.2027

■ 99.1394, 0.2377,
0.2773

■ 2.9067, 0.1164,
0.1735

■ 127.1401, 0.2433,
0.2814

■ 1.0832, 0.0735,
0.1314

■ 159.9712, 0.2481,
0.2850

■ 0.0000, 0.0000,
0.0000

198.0173, 0.2523,

0.2880

241.6628, 0.2560,
0.2907

■ 27.7545, 0.2028,
0.2502

■ 27.7545, 0.2028,
0.2502

■ 27.7589, 0.2028,
0.2502

■ 29.5406, 0.2069,
0.2589

■ 31.5461, 0.2126,
0.2676

■ 33.8308, 0.2203,
0.2764

■ 36.4248, 0.2298,
0.2850

■ 39.3533, 0.2411,
0.2935

■ 42.6387, 0.2538,
0.3016

■ 46.3012, 0.2677,
0.3093

■ 50.3590, 0.2823,
0.3164

■ 54.8294, 0.2974,
0.3230

Harmonies

Analogous

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



27.7545, 0.2053, 0.2935



27.7545, 0.2028, 0.2502



27.7545, 0.2253, 0.2317

Triad

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



27.7545, 0.2028, 0.2502



27.7545, 0.3947, 0.2984



27.7545, 0.3455, 0.4444

Complementary

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



27.7545, 0.2028, 0.2502



14.8121, 0.6116, 0.3526

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.



27.7545, 0.4010, 0.4316



27.7545, 0.2028, 0.2502



27.7545, 0.4334, 0.3453

Square

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



27.7545, 0.2028, 0.2502



27.7545, 0.3328, 0.2598



27.7545, 0.4346, 0.3931



27.7545, 0.2841, 0.4165

Rectangle

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



27.7545, 0.2028, 0.2502



27.7545, 0.2533, 0.2322



27.7545, 0.4346, 0.3931



27.7545, 0.3655, 0.4442

Sweetspot

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



27.7589, 0.2028, 0.2502



77.2618, 0.2671, 0.3090



42.9258, 0.2930, 0.5749



15.9619, 0.2611, 0.3058



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.



27.7589, 0.2028, 0.2502



46.1193, 0.2025, 0.2491



6.9634, 0.1587, 0.0913



12.2599, 0.2983, 0.3234



17.8093, 0.2032, 0.2514



1.0304, 0.2079, 0.2683

Inverse Universe

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



15.0651, 0.3920, 0.1933



25.1869, 0.3931, 0.1939



34.1537, 0.4763, 0.4600



11.3566, 0.3173, 0.3115



9.6009, 0.3908, 0.1927



0.5066, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 27.7545, 0.2028, 0.2502 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 27.7545, 0.2028, 0.2502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

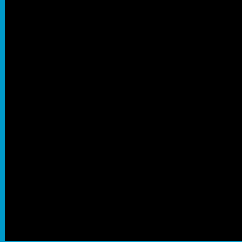
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7545, 0.2028, 0.2502

Background



This preview shows how black text looks on a background with the Yxy color 27.7545, 0.2028, 0.2502.

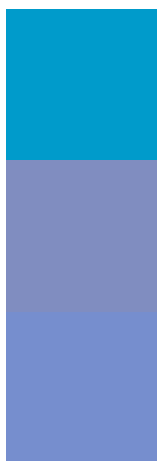


This preview shows how white text looks on a background with the Yxy color 27.7545, 0.2028, 0.2502.

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

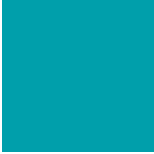
27.7545, 0.2028, 0.2502

Protanopia

27.4447, 0.2562, 0.2516

Deuteranopia

27.6538, 0.2393, 0.2340



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



Original Color

27.7545, 0.2028, 0.2502



Protanomaly

26.2926, 0.2230, 0.2481



Deuteranomaly

26.7711, 0.2160, 0.2374



Tritanomaly

27.8726, 0.2126, 0.2852

Monochromacy



Original Color

27.7545, 0.2028, 0.2502



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.1923, 0.2427, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7545, 0.2028, 0.2502 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(0, 155, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 203)  
}
```

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(0, 155, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 203) }
```

Border

The CSS property to change the border of an element to Yxy 27.7545, 0.2028, 0.2502 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(0, 155, 203) }
```

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

```
.border{ border-color:rgb(0, 155, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7545, 0.2028, 0.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 203) }
```

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

```
.background{ background-color: rgb(0, 155,  
203) }
```

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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