

Converting Colors

$Yxy(21.1052, 0.2008, 0.2594)$

Have a look what the booklet for
Yxy(21.1052, 0.2008, 0.2594)
contains.

Yxy(21.2721, 0.2055, 0.2598)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.2721, 0.2055, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	008AAF
RGB	0, 138, 175
RGB Percent	0%, 54%, 69%
CMY	1.0000, 0.4588, 0.3137
CMYK	1.00, 0.21, 0.00, 0.31
HSL	193°, 100%, 34%
HSV	193°, 100%, 69%
XYZ	16.8261, 21.2721, 43.7806
YIQ	100.9560, -94.1250, -17.7490

Conversions

Conversions Part 2

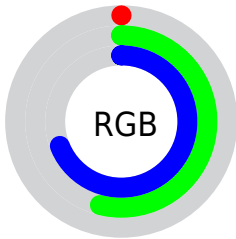
Format	Color
RYB	0, 77, 175
Decimal	35503
CIELab	53.25, -17.73, -28.23
CIELCh	53, 33.331, 237.874
Yxy	21.2721, 0.2055, 0.2598
Android (android.graphics.Color)	4278225583 (0xFF008AAF)
YUV	100.9560, 36.5037, -88.5384
Hunter-Lab	46.1217, -15.5927, -23.9953

Details

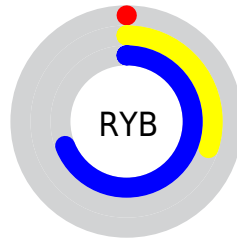
The Yxy color **21.2721, 0.2055, 0.2598** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.4385, 0.6149, 0.3499**, and the grayscale version is **12.9249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7441, 0.2272, 0.2758**, and **8.3846, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **21.2732, 0.2055, 0.2598**, and if you desaturate by 10%, it is **22.4772, 0.2095, 0.2674**.

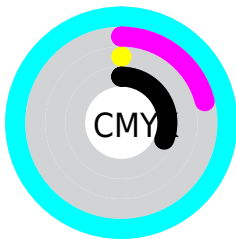
Distribution



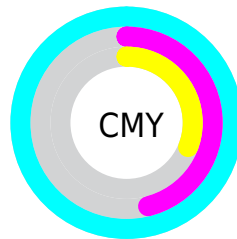
- Red (0%)
- Green (54%)
- Blue (69%)



- Red (0%)
- Yellow (30%)
- Blue (69%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (46%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2721, 0.2055, 0.2598 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 21.2721, 0.2055, 0.2598 by changing the saturation by 10% instead.


 21.2721, 0.2055,
0.2598

 21.2721, 0.2055,
0.2598


 258.7210, 0.2632,
0.2995


 13.3230, 0.1901,
0.2481


 45.5399, 0.2273,
0.2755

 7.6514, 0.1699,
0.2322


 62.6275, 0.2352,
0.2810


 3.8727, 0.1426,
0.2092


 83.5301, 0.2419,
0.2855

 1.6026, 0.1052,
0.1744

 108.6320, 0.2475,
0.2893

 0.3594, 0.0000,
0.1023

 138.3176, 0.2522,
0.2924

 0.0000, 0.0000,
0.0000

 172.9714, 0.2564,

0.2951

212.9778, 0.2600,
0.2974

■ 21.2721, 0.2055,
0.2598

■ 21.2721, 0.2055,
0.2598

■ 21.2732, 0.2055,
0.2598

■ 22.4772, 0.2095,
0.2674

■ 23.8273, 0.2149,
0.2751

■ 25.3669, 0.2223,
0.2827

■ 27.1164, 0.2315,
0.2903

■ 29.0931, 0.2424,
0.2977

■ 31.3123, 0.2548,
0.3049

■ 33.7877, 0.2683,
0.3116

■ 36.5321, 0.2827,
0.3179

■ 39.5571, 0.2976,
0.3237

Harmonies

Analogous

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



21.2721, 0.2129, 0.3059



21.2721, 0.2055, 0.2598



21.2721, 0.2226, 0.2372

Triad

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



21.2721, 0.2055, 0.2598



21.2721, 0.3808, 0.2917



21.2721, 0.3558, 0.4397

Complementary

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



21.2721, 0.2055, 0.2598



10.4385, 0.6149, 0.3499

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.



21.2721, 0.4060, 0.4219



21.2721, 0.2055, 0.2598



21.2721, 0.4236, 0.3360

Square

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



21.2721, 0.2055, 0.2598



21.2721, 0.3199, 0.2567



21.2721, 0.4322, 0.3824



21.2721, 0.2967, 0.4206

Rectangle

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



21.2721, 0.2055, 0.2598



21.2721, 0.2469, 0.2348



21.2721, 0.4322, 0.3824



21.2721, 0.3743, 0.4372

Sweetspot

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



21.2732, 0.2055, 0.2598



60.2645, 0.2676, 0.3113



30.7847, 0.2943, 0.5794



12.9769, 0.2619, 0.3085



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.2732, 0.2055, 0.2598



37.7678, 0.2052, 0.2585



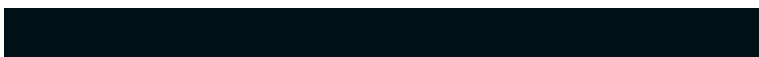
5.5966, 0.1612, 0.1004



8.7802, 0.2986, 0.3241



15.3240, 0.2058, 0.2607



0.4974, 0.2121, 0.2836

Inverse Universe

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



10.9500, 0.3826, 0.1881



19.5759, 0.3838, 0.1888



23.1586, 0.4841, 0.4538



8.1186, 0.3168, 0.3113



7.8500, 0.3817, 0.1877



0.2256, 0.3601, 0.1758

Previews

White Background



This preview shows how the Yxy color 21.2721, 0.2055, 0.2598 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 21.2721, 0.2055, 0.2598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

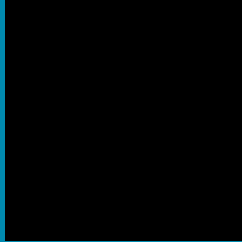
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2721, 0.2055, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 21.2721, 0.2055, 0.2598.

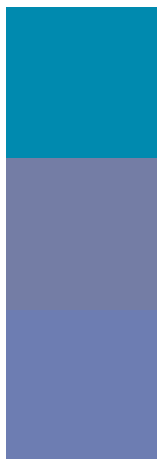


This preview shows how white text looks on a background with the Yxy color 21.2721, 0.2055, 0.2598.

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

21.2721, 0.2055, 0.2598

Protanopia

21.0968, 0.2634, 0.2606

Deuteranopia

21.1328, 0.2467, 0.2405



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



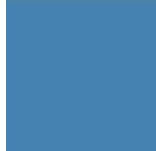
Original Color

21.2721, 0.2055, 0.2598



Protanomaly

20.2857, 0.2281, 0.2576



Deuteranomaly

20.4048, 0.2204, 0.2448



Tritanomaly

21.2942, 0.2138, 0.2895

Monochromacy



Original Color

21.2721, 0.2055, 0.2598



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

14.6831, 0.2438, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2721, 0.2055, 0.2598 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, 138, 175)` looks like.

```
.text, #text, p{  
  color:rgb(0, 138, 175)  
}
```

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, 138, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 175) }
```

Border

The CSS property to change the border of an element to Yxy 21.2721, 0.2055, 0.2598 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, 138, 175) }
```

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

```
.border{ border-color:rgb(0, 138, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2721, 0.2055, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 175) }
```

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

```
.background{ background-color: rgb(0, 138,  
175) }
```

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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