

Converting Colors

$Yxy(20.7410, 0.1939, 0.2564)$

Have a look what the booklet for
Yxy(20.7410, 0.1939, 0.2564)
contains.

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Color

Yxy(21.3115, 0.2051, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	008AB0
RGB	0, 138, 176
RGB Percent	0%, 54%, 69%
CMY	0.9985, 0.4589, 0.3098
CMYK	1.00, 0.22, 0.00, 0.31
HSL	193°, 100%, 35%
HSV	193°, 100%, 69%
XYZ	16.9287, 21.3115, 44.2985
YIQ	101.0700, -94.4460, -17.4380

Conversions

Conversions Part 2

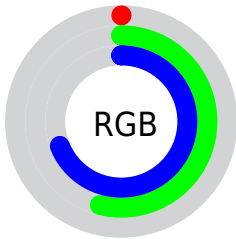
Format	Color
RYB	0, 77, 176
Decimal	35504
CIELab	53.29, -17.34, -28.73
CIELCh	53, 33.560, 238.890
Yxy	21.3115, 0.2051, 0.2582
Android (android.graphics.Color)	4278225584 (0xFF008AB0)
YUV	101.0700, 36.9405, -88.6384
Hunter-Lab	46.1644, -15.3309, -24.5786

Details

The Yxy color **21.3115, 0.2051, 0.2582** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.6439, 0.6135, 0.3508**, and the grayscale version is **12.9847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8526, 0.2272, 0.2746**, and **8.4095, 0.1992, 0.2371** is the 20% darker color. If you saturate the color by 10%, you get **21.2855, 0.2050, 0.2580**, and if you desaturate by 10%, it is **22.5506, 0.2091, 0.2660**.

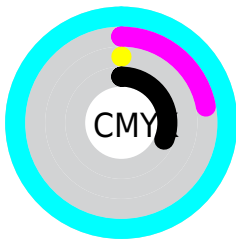
Distribution



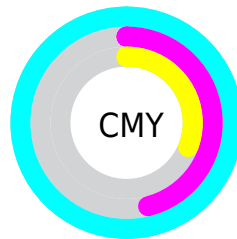
- Red (0%)
- Green (54%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3115, 0.2051, 0.2582 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 21.3115, 0.2051, 0.2582 by changing the saturation by 10% instead.

■ 21.3115, 0.2051,
0.2582

■ 21.3115, 0.2051,
0.2582

■ 258.9293, 0.2629,
0.2987

■ 13.3519, 0.1897,
0.2464

■ 45.6054, 0.2269,
0.2742

■ 7.6713, 0.1694,
0.2301

■ 62.7084, 0.2349,
0.2798

■ 3.8854, 0.1422,
0.2069

■ 83.6281, 0.2416,
0.2844

■ 1.6096, 0.1049,
0.1719

■ 108.7488, 0.2472,
0.2882

■ 0.3641, 0.0000,
0.1010

■ 138.4548, 0.2520,
0.2915

■ 0.0000, 0.0000,
0.0000

■ 173.1307, 0.2561,

0.2942

213.1607, 0.2597,
0.2966

■ 21.3115, 0.2051,
0.2582

■ 21.3115, 0.2051,
0.2582

■ 21.2855, 0.2050,
0.2580

■ 22.5506, 0.2091,
0.2660

■ 23.9411, 0.2147,
0.2739

■ 25.5257, 0.2222,
0.2817

■ 27.3251, 0.2315,
0.2895

■ 29.3569, 0.2425,
0.2971

■ 31.6366, 0.2550,
0.3044

■ 34.1781, 0.2686,
0.3113

■ 36.9943, 0.2830,
0.3178

■ 40.0971, 0.2979,
0.3237

Harmonies

Analogous

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



21.3115, 0.2116, 0.3038



21.3115, 0.2051, 0.2582



21.3115, 0.2231, 0.2363

Triad

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



21.3115, 0.2051, 0.2582



21.3115, 0.3831, 0.2928



21.3115, 0.3540, 0.4404

Complementary

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



21.3115, 0.2051, 0.2582



10.6439, 0.6135, 0.3508

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.



21.3115, 0.4051, 0.4234



21.3115, 0.2051, 0.2582



21.3115, 0.4252, 0.3376

Square

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



21.3115, 0.2051, 0.2582



21.3115, 0.3221, 0.2573



21.3115, 0.4325, 0.3842



21.3115, 0.2946, 0.4198

Rectangle

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



21.3115, 0.2051, 0.2582



21.3115, 0.2480, 0.2344



21.3115, 0.4325, 0.3842



21.3115, 0.3728, 0.4383

Sweetspot

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



21.3122, 0.2051, 0.2582



61.6216, 0.2675, 0.3108



31.1802, 0.2943, 0.5792



12.9343, 0.2619, 0.3080



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.



21.3122, 0.2051, 0.2582



38.2561, 0.2047, 0.2567



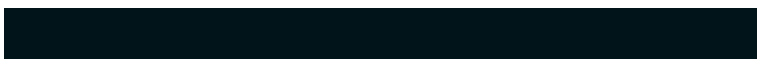
5.6904, 0.1614, 0.1007



9.3131, 0.2986, 0.3240



15.7044, 0.2052, 0.2589



0.5720, 0.2113, 0.2806

Inverse Universe

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



11.0741, 0.3841, 0.1891



20.0284, 0.3856, 0.1898



23.4775, 0.4839, 0.4538



8.6146, 0.3169, 0.3113



8.1255, 0.3835, 0.1886



0.2635, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 21.3115, 0.2051, 0.2582 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 21.3115, 0.2051, 0.2582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

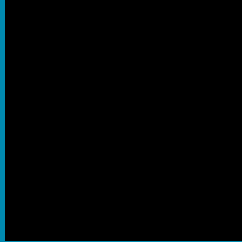
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3115, 0.2051, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 21.3115, 0.2051, 0.2582.

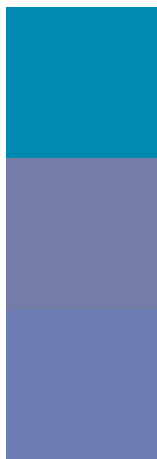


This preview shows how white text looks on a background with the Yxy color 21.3115, 0.2051, 0.2582.

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

21.3115, 0.2051, 0.2582

Protanopia

21.1334, 0.2626, 0.2591

Deuteranopia

21.1100, 0.2451, 0.2389



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



Original Color

21.3115, 0.2051, 0.2582

Protanomaly

20.3234, 0.2275, 0.2560

Deuteranomaly

20.4448, 0.2199, 0.2434

Tritanomaly

21.3294, 0.2133, 0.2877

Monochromacy



Original Color

21.3115, 0.2051, 0.2582

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 21.3115, 0.2051, 0.2582 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 176) }
```

Border

The CSS property to change the border of an element to Yxy 21.3115, 0.2051, 0.2582 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, 176) }
```

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

```
.border{ border-color:rgb(0, 138, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3115, 0.2051, 0.2582 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, 176) }
```

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

```
.background{ background-color: rgb(0, 138,  
176) }
```

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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