

Converting Colors

$Yxy(23.5868, 0.1959, 0.2253)$

Have a look what the booklet for
Yxy(23.5868, 0.1959, 0.2253)
contains.

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Color

Yxy(23.7056, 0.1961, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	008ECC
RGB	0, 142, 204
RGB Percent	0%, 56%, 80%
CMY	1.0000, 0.4431, 0.2000
CMYK	1.00, 0.30, 0.00, 0.20
HSL	198°, 100%, 40%
HSV	198°, 100%, 80%
XYZ	20.5693, 23.7056, 60.6171
YIQ	106.6100, -104.5340, -10.8220

Conversions

Conversions Part 2

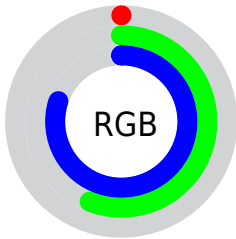
Format	Color
RYB	0, 84, 204
Decimal	36556
CIELab	55.79, -9.26, -40.75
CIELCh	56, 41.788, 257.202
Yxy	23.7056, 0.1961, 0.2260
Android (android.graphics.Color)	4278226636 (0xFF008ECC)
YUV	106.6100, 48.0133, -93.4970
Hunter-Lab	48.6884, -9.7940, -39.7342

Details

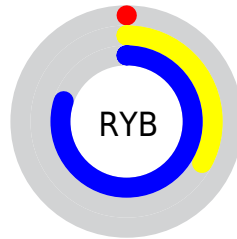
The Yxy color **23.7056, 0.1961, 0.2260** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **16.2815, 0.5963, 0.3647**, and the grayscale version is **14.4776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3525, 0.2211, 0.2542**, and **9.8242, 0.1891, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **23.7079, 0.1961, 0.2260**, and if you desaturate by 10%, it is **25.7573, 0.2010, 0.2373**.

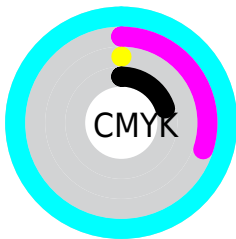
Distribution



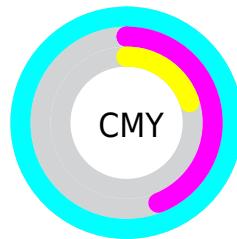
- Red (0%)
- Green (56%)
- Blue (80%)



- Red (0%)
- Yellow (33%)
- Blue (80%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7056, 0.1961, 0.2260 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 23.7056, 0.1961, 0.2260 by changing the saturation by 10% instead.

■ 23.7056, 0.1961,
0.2260

■ 23.7056, 0.1961,
0.2260

271.3287, 0.2571,
0.2815

■ 15.1154, 0.1806,
0.2113

■ 49.5494, 0.2186,
0.2469

■ 8.9004, 0.1610,
0.1923

■ 67.5717, 0.2269,
0.2545

■ 4.6763, 0.1355,
0.1670

■ 89.5068, 0.2340,
0.2609

■ 2.0586, 0.1022,
0.1326

■ 115.7392, 0.2400,
0.2663

■ 0.6412, 0.0507,
0.0848

■ 146.6532, 0.2451,
0.2710

■ 0.0000, 0.0000,
0.0000

182.6331, 0.2496,

0.2749

224.0635, 0.2536,
0.2784

■ 23.7056, 0.1961,
0.2260

■ 23.7056, 0.1961,
0.2260

■ 23.7079, 0.1961,
0.2260

■ 25.7573, 0.2010,
0.2373

■ 28.0723, 0.2077,
0.2488

■ 30.7099, 0.2163,
0.2604

■ 33.7013, 0.2269,
0.2718

■ 37.0727, 0.2391,
0.2829

■ 40.8478, 0.2526,
0.2936

■ 45.0475, 0.2670,
0.3035

■ 49.6913, 0.2821,
0.3128

■ 54.7972, 0.2974,
0.3213

Harmonies

Analogous

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



23.7056, 0.1861, 0.2613



23.7056, 0.1961, 0.2260



23.7056, 0.2330, 0.2180

Triad

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



23.7056, 0.1961, 0.2260



23.7056, 0.4326, 0.3163



23.7056, 0.3169, 0.4559

Complementary

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



23.7056, 0.1961, 0.2260



16.2815, 0.5963, 0.3647

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.



23.7056, 0.3859, 0.4588



23.7056, 0.1961, 0.2260



23.7056, 0.4580, 0.3703

Square

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



23.7056, 0.1961, 0.2260



23.7056, 0.3694, 0.2681



23.7056, 0.4387, 0.4225



23.7056, 0.2504, 0.4025

Rectangle

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



23.7056, 0.1961, 0.2260



23.7056, 0.2717, 0.2259



23.7056, 0.4387, 0.4225



23.7056, 0.3406, 0.4626

Sweetspot

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



23.7079, 0.1961, 0.2260



74.3186, 0.2664, 0.3032



43.5243, 0.2891, 0.5607



15.2551, 0.2602, 0.2990



0.0000, 0.0000, 0.0000



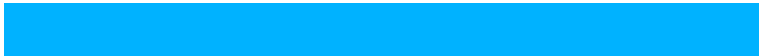
21.4041, 0.3127, 0.3290

Same Dimension

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



23.7079, 0.1961, 0.2260



38.8663, 0.1957, 0.2246



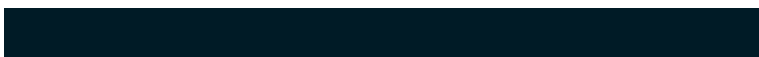
5.9316, 0.1552, 0.0788



12.1292, 0.2983, 0.3218



15.0927, 0.1966, 0.2276



0.9084, 0.2027, 0.2498

Inverse Universe

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



14.7904, 0.4168, 0.2070



24.4547, 0.4183, 0.2078



39.1024, 0.4600, 0.4729



11.3434, 0.3183, 0.3130



9.3266, 0.4151, 0.2061



0.4943, 0.3925, 0.1936

Previews

White Background



This preview shows how the Yxy color 23.7056, 0.1961, 0.2260 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 23.7056, 0.1961, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

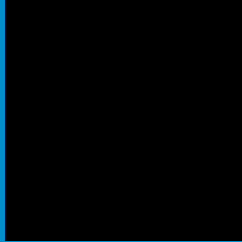
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7056, 0.1961, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 23.7056, 0.1961, 0.2260.

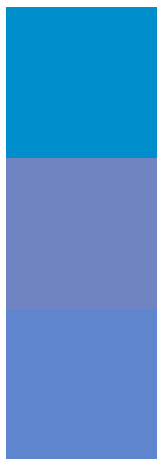


This preview shows how white text looks on a background with the Yxy color 23.7056, 0.1961, 0.2260.

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

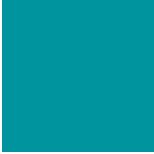
23.7056, 0.1961, 0.2260

Protanopia

23.6175, 0.2389, 0.2290

Deuteranopia

23.6642, 0.2212, 0.2159



Tritanopia

23.6830, 0.2188, 0.3075

Trichromacy



Original Color

23.7056, 0.1961, 0.2260

Protanomaly

22.7448, 0.2127, 0.2255

Deuteranomaly

22.9768, 0.2051, 0.2173

Tritanomaly

23.6529, 0.2099, 0.2755

Monochromacy



Original Color

23.7056, 0.1961, 0.2260

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.6149, 0.2384, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7056, 0.1961, 0.2260 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, 142, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 204)  
}
```

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, 142, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 204) }
```

Border

The CSS property to change the border of an element to Yxy 23.7056, 0.1961, 0.2260 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, 142, 204) }
```

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

```
.border{ border-color:rgb(0, 142, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7056, 0.1961, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 204) }
```

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

```
.background{ background-color: rgb(0, 142,  
204) }
```

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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