

Converting Colors

$Yxy(21.7516, 0.1802, 0.2418)$

Have a look what the booklet for
Yxy(21.7516, 0.1802, 0.2418)
contains.

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Color

Yxy(23.0637, 0.2014, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	018EBE
RGB	1, 142, 190
RGB Percent	0%, 56%, 75%
CMY	0.9973, 0.4432, 0.2548
CMYK	1.00, 0.25, 0.00, 0.25
HSL	195°, 99%, 37%
HSV	195°, 100%, 75%
XYZ	18.9748, 23.0637, 52.1760
YIQ	105.3130, -99.4440, -14.9640

Conversions

Conversions Part 2

Format	Color
R_{YB}	1, 82, 190
Decimal	102078
CIE _{Lab}	55.14, -14.40, -33.86
CIE _{LCh}	55, 36.792, 246.951
Yxy	23.0637, 0.2014, 0.2448
Android (android.graphics.Color)	4278292158 (0xFF018EBE)
YUV	105.3130, 41.7507, -91.4825
Hunter-Lab	48.0247, -13.5169, -30.7978

Details

The Yxy color **23.0637, 0.2014, 0.2448** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.1251, 0.6063, 0.3564**, and the grayscale version is **14.0930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6821, 0.2232, 0.2628**, and **9.4319, 0.1952, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **23.0071, 0.2012, 0.2445**, and if you desaturate by 10%, it is **24.6712, 0.2058, 0.2541**.

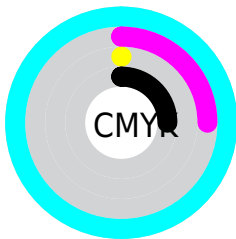
Distribution



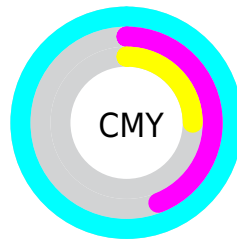
- Red (0%)
- Green (56%)
- Blue (75%)



- Red (0%)
- Yellow (32%)
- Blue (75%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0637, 0.2014, 0.2448 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 23.0637, 0.2014, 0.2448 by changing the saturation by 10% instead.

■ 23.0637, 0.2014,
0.2448

■ 23.0637, 0.2014,
0.2448

■ 268.0520, 0.2602,
0.2916

■ 14.6405, 0.1861,
0.2318

■ 48.4979, 0.2233,
0.2628

■ 8.5675, 0.1664,
0.2145

■ 66.2777, 0.2314,
0.2693

■ 4.4602, 0.1405,
0.1906

■ 87.9453, 0.2382,
0.2746

■ 1.9342, 0.1057,
0.1563

■ 113.8849, 0.2439,
0.2791

■ 0.5688, 0.0344,
0.1037

■ 144.4810, 0.2489,
0.2829

■ 0.0000, 0.0000,
0.0000

■ 180.1179, 0.2532,

0.2862

221.1801, 0.2569,
0.2891

■ 23.0637, 0.2014,
0.2448

■ 23.0637, 0.2014,
0.2448

■ 23.0071, 0.2012,
0.2445

■ 24.6712, 0.2058,
0.2541

■ 26.4795, 0.2119,
0.2635

■ 28.5367, 0.2199,
0.2730

■ 30.8678, 0.2298,
0.2823

■ 33.4945, 0.2413,
0.2913

■ 36.4357, 0.2542,
0.3000

■ 39.7086, 0.2682,
0.3082

■ 43.3290, 0.2829,
0.3158

■ 47.3113, 0.2980,
0.3229

Harmonies

Analogous

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



23.0637, 0.2011, 0.2863



23.0637, 0.2014, 0.2448



23.0637, 0.2270, 0.2287

Triad

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



23.0637, 0.2014, 0.2448



23.0637, 0.4029, 0.3024



23.0637, 0.3393, 0.4469

Complementary

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



23.0637, 0.2014, 0.2448



13.1251, 0.6063, 0.3564

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.



23.0637, 0.3978, 0.4373



23.0637, 0.2014, 0.2448



23.0637, 0.4388, 0.3508

Square

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



23.0637, 0.2014, 0.2448



23.0637, 0.3406, 0.2617



23.0637, 0.4356, 0.3994



23.0637, 0.2768, 0.4136

Rectangle

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



23.0637, 0.2014, 0.2448



23.0637, 0.2573, 0.2309



23.0637, 0.4356, 0.3994



23.0637, 0.3601, 0.4481

Sweetspot

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



23.0645, 0.2014, 0.2448



71.4130, 0.2670, 0.3075



37.0523, 0.2919, 0.5703



15.1140, 0.2609, 0.3041



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



23.0645, 0.2014, 0.2448



41.2655, 0.2008, 0.2430



5.8393, 0.1582, 0.0891



10.3885, 0.2985, 0.3230



15.4262, 0.2016, 0.2457



0.7031, 0.2078, 0.2679

Inverse Universe

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



12.9170, 0.3974, 0.1965



23.3235, 0.3993, 0.1973



30.5021, 0.4715, 0.4636



9.6538, 0.3175, 0.3120



8.5870, 0.3965, 0.1958



0.3463, 0.3748, 0.1838

Previews

White Background



This preview shows how the Yxy color 23.0637, 0.2014, 0.2448 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 23.0637, 0.2014, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

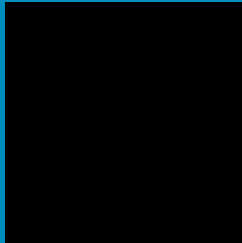
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0637, 0.2014, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 23.0637, 0.2014, 0.2448.

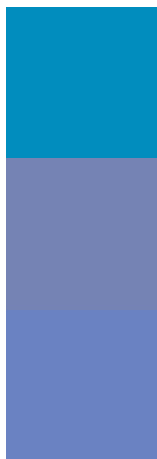


This preview shows how white text looks on a background with the Yxy color 23.0637, 0.2014, 0.2448.

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

23.0702, 0.2014, 0.2449

Protanopia

22.9736, 0.2525, 0.2476

Deuteranopia

22.8797, 0.2354, 0.2287



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



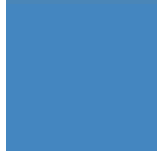
Original Color

23.0702, 0.2014, 0.2449



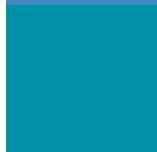
Protanomaly

21.9667, 0.2210, 0.2427



Deuteranomaly

22.0849, 0.2137, 0.2311



Tritanomaly

23.1154, 0.2121, 0.2837

Monochromacy



Original Color

23.0702, 0.2014, 0.2449



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

15.9277, 0.2414, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0637, 0.2014, 0.2448 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(1, 142, 190)` looks like.

```
.text, #text, p{  
    color:rgb(1, 142, 190)  
}
```

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(1, 142, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 142, 190) }
```

Border

The CSS property to change the border of an element to Yxy 23.0637, 0.2014, 0.2448 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(1, 142, 190) }
```

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

```
.border{ border-color:rgb(1, 142, 190) }
```

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

Here you see how a box with a 4 pixel rgb(1, 142, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 142, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 142, 190);  
box-shadow:4px 4px 4px 4px rgb(1, 142,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0637, 0.2014, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 142, 190) }
```

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

```
.background{ background-color: rgb(1, 142,  
190) }
```

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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