

Converting Colors

$Yxy(21.9746, 0.1899, 0.2697)$

Have a look what the booklet for
Yxy(21.9746, 0.1899, 0.2697)
contains.

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Color

$\text{Yxy}(23.0417, 0.2088, 0.2716)$

Conversions

Conversions Part 1

Format	Color
Hex	0090AF
RGB	0, 144, 175
RGB Percent	0%, 56%, 69%
CMY	0.9993, 0.4353, 0.3136
CMYK	1.00, 0.18, 0.00, 0.31
HSL	191°, 100%, 34%
HSV	191°, 100%, 69%
XYZ	17.7139, 23.0417, 44.0812
YIQ	104.4780, -95.7750, -20.8870

Conversions

Conversions Part 2

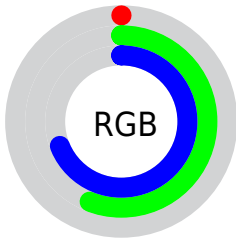
Format	Color
RYB	0, 79, 175
Decimal	37039
CIELab	55.12, -20.93, -25.34
CIELCh	55, 32.867, 230.448
Yxy	23.0417, 0.2088, 0.2716
Android (android.graphics.Color)	4278227119 (0xFF0090AF)
YUV	104.4780, 34.7673, -91.6272
Hunter-Lab	48.0018, -18.1318, -20.8463

Details

The Yxy color **23.0417, 0.2088, 0.2716** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.1068, 0.6208, 0.3451**, and the grayscale version is **13.9169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4848, 0.2295, 0.2843**, and **9.2338, 0.2037, 0.2532** is the 20% darker color. If you saturate the color by 10%, you get **23.0322, 0.2088, 0.2715**, and if you desaturate by 10%, it is **24.1206, 0.2123, 0.2779**.

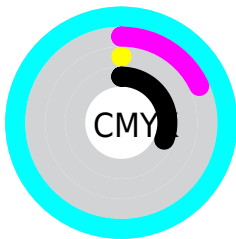
Distribution



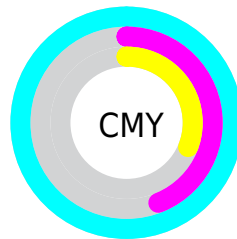
- Red (0%)
- Green (56%)
- Blue (69%)



- Red (0%)
- Yellow (31%)
- Blue (69%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)




- Cyan (100%)
- Magenta (44%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0417, 0.2088, 0.2716 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 23.0417, 0.2088, 0.2716 by changing the saturation by 10% instead.


 23.0417, 0.2088,
0.2716


 23.0417, 0.2088,
0.2716


 267.9391, 0.2642,
0.3047


 14.6243, 0.1941,
0.2618


 48.4618, 0.2296,
0.2848


 8.5561, 0.1749,
0.2482


 66.2333, 0.2373,
0.2893


 4.4528, 0.1490,
0.2285

 87.8916, 0.2436,
0.2931


 1.9300, 0.1132,
0.1981

 113.8211, 0.2490,
0.2962

 0.5663, 0.0072,
0.1491

 144.4062, 0.2536,
0.2988

 0.0000, 0.0000,
0.0000

 180.0313, 0.2576,

0.3011

221.0808, 0.2611,
0.3030

■ 23.0417, 0.2088,
0.2716

■ 23.0417, 0.2088,
0.2716

■ 23.0322, 0.2088,
0.2715

■ 24.1206, 0.2123,
0.2779

■ 25.3353, 0.2174,
0.2842

■ 26.7291, 0.2243,
0.2905

■ 28.3222, 0.2330,
0.2968

■ 30.1318, 0.2435,
0.3029

■ 32.1731, 0.2555,
0.3089

■ 34.4597, 0.2688,
0.3145

■ 37.0040, 0.2829,
0.3197

■ 39.8177, 0.2977,
0.3246

Harmonies

Analogous

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



23.0417, 0.2220, 0.3209



23.0417, 0.2088, 0.2716



23.0417, 0.2196, 0.2438

Triad

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



23.0417, 0.2088, 0.2716



23.0417, 0.3645, 0.2836



23.0417, 0.3678, 0.4339

Complementary

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



23.0417, 0.2088, 0.2716



10.1068, 0.6208, 0.3451

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.



23.0417, 0.4114, 0.4106



23.0417, 0.2088, 0.2716



23.0417, 0.4116, 0.3250

Square

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



23.0417, 0.2088, 0.2716



23.0417, 0.3051, 0.2530



23.0417, 0.4288, 0.3700



23.0417, 0.3116, 0.4247

Rectangle

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



23.0417, 0.2088, 0.2716



23.0417, 0.2395, 0.2379



23.0417, 0.4288, 0.3700



23.0417, 0.3844, 0.4290

Sweetspot

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



23.0425, 0.2088, 0.2716



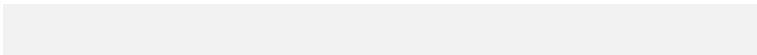
61.4349, 0.2679, 0.3141



30.7592, 0.2957, 0.5845



13.2690, 0.2624, 0.3119



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.



23.0425, 0.2088, 0.2716



40.9492, 0.2085, 0.2705



6.1691, 0.1636, 0.1088



8.8267, 0.2986, 0.3249



16.5706, 0.2090, 0.2723



0.5233, 0.2142, 0.2912

Inverse Universe

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



11.1335, 0.3713, 0.1820



19.8970, 0.3724, 0.1825



21.7781, 0.4928, 0.4469



8.1233, 0.3163, 0.3105



7.9759, 0.3707, 0.1816



0.2282, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 23.0417, 0.2088, 0.2716 looks on a white background.

Color Contrast Check

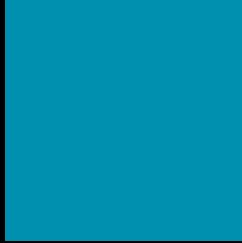
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0417, 0.2088, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

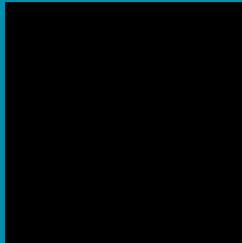
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0417, 0.2088, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 23.0417, 0.2088, 0.2716.

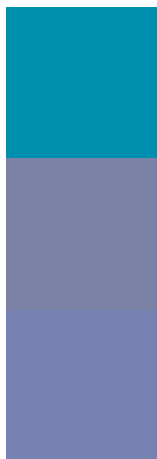


This preview shows how white text looks on a background with the Yxy color 23.0417, 0.2088, 0.2716.

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

23.0417, 0.2088, 0.2716

Protanopia

22.8928, 0.2711, 0.2705

Deuteranopia

23.0312, 0.2557, 0.2508



Tritanopia

23.0264, 0.2182, 0.3054

Trichromacy



Original Color

23.0417, 0.2088, 0.2716

Protanomaly

21.8122, 0.2327, 0.2675

Deuteranomaly

21.9981, 0.2259, 0.2549

Tritanomaly

22.9311, 0.2146, 0.2924

Monochromacy



Original Color

23.0417, 0.2088, 0.2716

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.9986, 0.2467, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0417, 0.2088, 0.2716 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, 144, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 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, 144, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 175) }
```

Border

The CSS property to change the border of an element to Yxy 23.0417, 0.2088, 0.2716 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, 144, 175) }
```

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

```
.border{ border-color:rgb(0, 144, 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, 144, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0417, 0.2088, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 175) }
```

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

```
.background{ background-color: rgb(0, 144,  
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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