

Converting Colors

$Yxy(20.1834, 0.1468, 0.2635)$

Have a look what the booklet for
Yxy(20.1834, 0.1468, 0.2635)
contains.

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Color

Yxy(23.7721, 0.2085, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	0092B2
RGB	0, 146, 178
RGB Percent	0%, 57%, 70%
CMY	1.0000, 0.4274, 0.3020
CMYK	1.00, 0.18, 0.00, 0.30
HSL	191°, 100%, 35%
HSV	191°, 100%, 70%
XYZ	18.3099, 23.7721, 45.7352
YIQ	105.9940, -97.2880, -21.0000

Conversions

Conversions Part 2

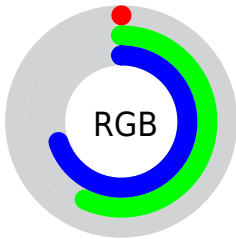
Format	Color
RYB	0, 80, 178
Decimal	37554
CIELab	55.86, -20.97, -25.89
CIELCh	56, 33.313, 230.996
Yxy	23.7721, 0.2085, 0.2707
Android (android.graphics.Color)	4278227634 (0xFF0092B2)
YUV	105.9940, 35.4990, -92.9567
Hunter-Lab	48.7566, -18.2909, -21.4861

Details

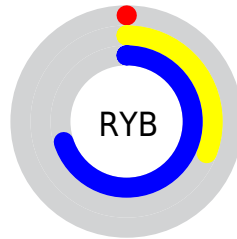
The Yxy color **23.7721, 0.2085, 0.2707** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.4950, 0.6208, 0.3452**, and the grayscale version is **14.3339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6287, 0.2292, 0.2835**, and **9.6651, 0.2034, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **23.7753, 0.2085, 0.2707**, and if you desaturate by 10%, it is **24.9017, 0.2121, 0.2771**.

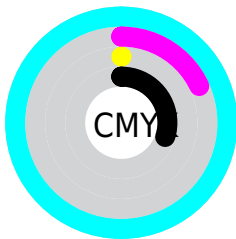
Distribution



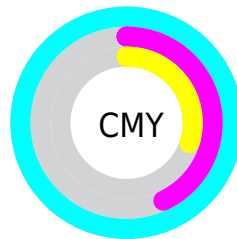
- Red (0%)
- Green (57%)
- Blue (70%)



- Red (0%)
- Yellow (31%)
- Blue (70%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7721, 0.2085, 0.2707 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 23.7721, 0.2085, 0.2707 by changing the saturation by 10% instead.


 23.7721, 0.2085,
0.2707


 23.7721, 0.2085,
0.2707

 271.6663, 0.2638,
0.3041


 15.1647, 0.1939,
0.2609


 49.6580, 0.2292,
0.2839

 8.9350, 0.1750,
0.2474


 67.7053, 0.2368,
0.2886

 4.6988, 0.1496,
0.2279

 89.6680, 0.2432,
0.2923

 2.0717, 0.1146,
0.1982

 115.9305, 0.2486,
0.2955

 0.6486, 0.0246,
0.1526

 146.8772, 0.2532,
0.2982

 0.0000, 0.0000,
0.0000

 182.8924, 0.2572,

0.3004

224.3607, 0.2607,
0.3024

■ 23.7721, 0.2085,
0.2707

■ 23.7721, 0.2085,
0.2707

■ 23.7753, 0.2085,
0.2707

■ 24.9017, 0.2121,
0.2771

■ 26.1704, 0.2171,
0.2835

■ 27.6258, 0.2240,
0.2899

■ 29.2889, 0.2328,
0.2963

■ 31.1776, 0.2433,
0.3025

■ 33.3079, 0.2553,
0.3085

■ 35.6939, 0.2686,
0.3142

■ 38.3488, 0.2827,
0.3196

■ 41.2845, 0.2976,
0.3245

Harmonies

Analogous

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



23.7721, 0.2213, 0.3198



23.7721, 0.2085, 0.2707



23.7721, 0.2198, 0.2433

Triad

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



23.7721, 0.2085, 0.2707



23.7721, 0.3657, 0.2842



23.7721, 0.3669, 0.4344

Complementary

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



23.7721, 0.2085, 0.2707



10.4950, 0.6208, 0.3452

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.



23.7721, 0.4111, 0.4114



23.7721, 0.2085, 0.2707



23.7721, 0.4125, 0.3257

Square

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



23.7721, 0.2085, 0.2707



23.7721, 0.3062, 0.2532



23.7721, 0.4291, 0.3709



23.7721, 0.3105, 0.4245

Rectangle

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



23.7721, 0.2085, 0.2707



23.7721, 0.2400, 0.2376



23.7721, 0.4291, 0.3709



23.7721, 0.3838, 0.4297

Sweetspot

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



23.7753, 0.2085, 0.2707



64.5035, 0.2679, 0.3139



31.9273, 0.2958, 0.5848



13.8804, 0.2622, 0.3116



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.7753, 0.2085, 0.2707



42.8137, 0.2082, 0.2696



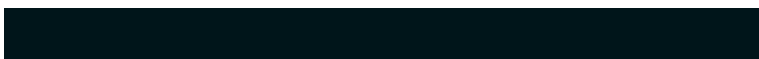
6.3756, 0.1635, 0.1084



9.3667, 0.2986, 0.3248



17.0977, 0.2087, 0.2714



0.6057, 0.2137, 0.2891

Inverse Universe

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



11.5390, 0.3722, 0.1824



20.8978, 0.3732, 0.1829



22.5756, 0.4930, 0.4467



8.6200, 0.3164, 0.3105



8.2662, 0.3715, 0.1820



0.2669, 0.3551, 0.1730

Previews

White Background



This preview shows how the Yxy color 23.7721, 0.2085, 0.2707 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 23.7721, 0.2085, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

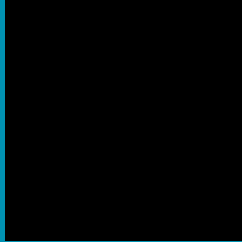
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7721, 0.2085, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 23.7721, 0.2085, 0.2707.

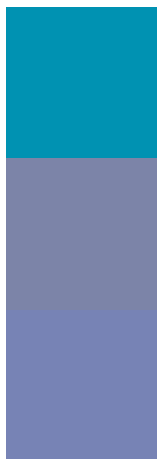


This preview shows how white text looks on a background with the Yxy color 23.7721, 0.2085, 0.2707.

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

23.7721, 0.2085, 0.2707

Protanopia

23.6148, 0.2698, 0.2696

Deuteranopia

23.4907, 0.2546, 0.2485



Tritanopia

23.7179, 0.2182, 0.3057

Trichromacy



Original Color

23.7721, 0.2085, 0.2707

Protanomaly

22.5321, 0.2322, 0.2667

Deuteranomaly

22.4401, 0.2252, 0.2524

Tritanomaly

23.6575, 0.2142, 0.2911

Monochromacy



Original Color

23.7721, 0.2085, 0.2707

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.5340, 0.2458, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7721, 0.2085, 0.2707 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, 146, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 178)  
}
```

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, 146, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.7721, 0.2085, 0.2707 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, 146, 178) }
```

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

```
.border{ border-color:rgb(0, 146, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7721, 0.2085, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 178) }
```

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

```
.background{ background-color: rgb(0, 146,  
178) }
```

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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