

Converting Colors

$Yxy(24.0701, 0.1872, 0.2696)$

Have a look what the booklet for
Yxy(24.0701, 0.1872, 0.2696)
contains.

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Color

$\text{Yxy}(25.5521, 0.2090, 0.2722)$

Conversions

Conversions Part 1

Format	Color
Hex	0197B7
RGB	1, 151, 183
RGB Percent	0%, 59%, 72%
CMY	0.9977, 0.4079, 0.2823
CMYK	1.00, 0.17, 0.00, 0.28
HSL	191°, 99%, 36%
HSV	191°, 100%, 72%
XYZ	19.6194, 25.5521, 48.7011
YIQ	109.7980, -99.6720, -21.8480

Conversions

Conversions Part 2

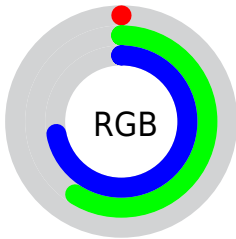
Format	Color
R _Y B	1, 83, 183
Decimal	104375
CIE Lab	57.61, -21.79, -26.04
CIE LCh	58, 33.951, 230.083
Yxy	25.5521, 0.2090, 0.2722
Android (android.graphics.Color)	4278294455 (0xFF0197B7)
YUV	109.7980, 36.0886, -95.4158
Hunter-Lab	50.5491, -19.1806, -21.7381

Details

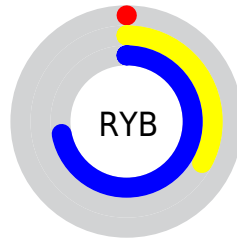
The Yxy color **25.5521, 0.2090, 0.2722** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.1346, 0.6211, 0.3446**, and the grayscale version is **15.4085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3814, 0.2293, 0.2844**, and **10.7260, 0.2042, 0.2551** is the 20% darker color. If you saturate the color by 10%, you get **25.5168, 0.2089, 0.2720**, and if you desaturate by 10%, it is **26.7343, 0.2125, 0.2784**.

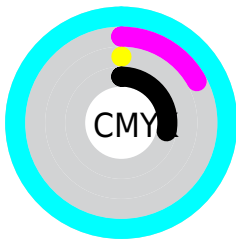
Distribution



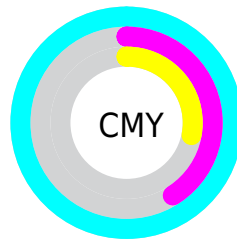
- Red (0%)
- Green (59%)
- Blue (72%)



- Red (0%)
- Yellow (33%)
- Blue (72%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (41%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5521, 0.2090, 0.2722 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 25.5521, 0.2090, 0.2722 by changing the saturation by 10% instead.


 25.5521, 0.2090,
0.2722


 25.5521, 0.2090,
0.2722


 280.5764, 0.2634,
0.3045


 16.4889, 0.1949,
0.2628


 52.5515, 0.2292,
0.2849


 9.8707, 0.1766,
0.2501


 71.2564, 0.2367,
0.2894


 5.3133, 0.1523,
0.2318

 93.9441, 0.2430,
0.2930

 2.4323, 0.1190,
0.2042

 120.9988, 0.2483,
0.2961

 0.8424, 0.0521,
0.1633

 152.8050, 0.2529,
0.2987

 0.0000, 0.0000,
0.0000

 189.7470, 0.2569,

0.3009

232.2094, 0.2603,
0.3028

■ 25.5521, 0.2090,
0.2722

■ 25.5521, 0.2090,
0.2722

■ 25.5168, 0.2089,
0.2720

■ 26.7343, 0.2125,
0.2784

■ 28.0700, 0.2175,
0.2847

■ 29.6040, 0.2244,
0.2910

■ 31.3590, 0.2331,
0.2972

■ 33.3540, 0.2437,
0.3033

■ 35.6059, 0.2557,
0.3091

■ 38.1300, 0.2690,
0.3147

■ 40.9402, 0.2832,
0.3199

■ 44.0493, 0.2980,
0.3247

Harmonies

Analogous

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



25.5521, 0.2225, 0.3216



25.5521, 0.2090, 0.2722



25.5521, 0.2195, 0.2442

Triad

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



25.5521, 0.2090, 0.2722



25.5521, 0.3637, 0.2833



25.5521, 0.3683, 0.4335

Complementary

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



25.5521, 0.2090, 0.2722



11.1346, 0.6211, 0.3446

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.



25.5521, 0.4116, 0.4100



25.5521, 0.2090, 0.2722



25.5521, 0.4110, 0.3244

Square

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



25.5521, 0.2090, 0.2722



25.5521, 0.3044, 0.2528



25.5521, 0.4286, 0.3694



25.5521, 0.3123, 0.4248

Rectangle

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



25.5521, 0.2090, 0.2722



25.5521, 0.2392, 0.2381



25.5521, 0.4286, 0.3694



25.5521, 0.3849, 0.4286

Sweetspot

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



25.5530, 0.2090, 0.2722



67.8997, 0.2678, 0.3143



33.9724, 0.2958, 0.5846



14.5677, 0.2622, 0.3120



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



25.5530, 0.2090, 0.2722



45.3915, 0.2086, 0.2710



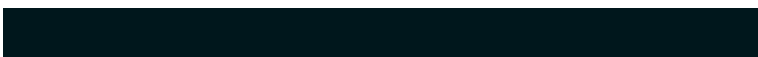
6.8017, 0.1636, 0.1086



9.9352, 0.2985, 0.3249



17.8890, 0.2091, 0.2728



0.7019, 0.2136, 0.2888

Inverse Universe

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



12.3147, 0.3707, 0.1817



21.9945, 0.3719, 0.1822



24.0367, 0.4928, 0.4467



9.1350, 0.3164, 0.3104



8.5882, 0.3702, 0.1813



0.3100, 0.3555, 0.1732

Previews

White Background



This preview shows how the Yxy color 25.5521, 0.2090, 0.2722 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 25.5521, 0.2090, 0.2722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

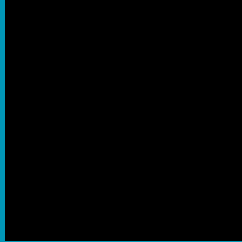
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5521, 0.2090, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 25.5521, 0.2090, 0.2722.

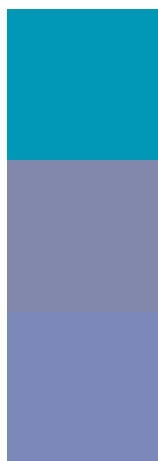


This preview shows how white text looks on a background with the Yxy color 25.5521, 0.2090, 0.2722.

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

25.5586, 0.2091, 0.2722

Protanopia

25.2540, 0.2717, 0.2712

Deuteranopia

25.4386, 0.2562, 0.2508



Tritanopia

25.4991, 0.2184, 0.3063

Trichromacy



Original Color

25.5586, 0.2091, 0.2722



Protanomaly

23.9782, 0.2331, 0.2681



Deuteranomaly

24.2148, 0.2260, 0.2545



Tritanomaly

25.4350, 0.2145, 0.2921

Monochromacy



Original Color

25.5586, 0.2091, 0.2722



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.7755, 0.2458, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5521, 0.2090, 0.2722 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, 151, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 151, 183)  
}
```

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, 151, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 151, 183) }
```

Border

The CSS property to change the border of an element to Yxy 25.5521, 0.2090, 0.2722 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, 151, 183) }
```

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

```
.border{ border-color:rgb(1, 151, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 151, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 151, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 151, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 151,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5521, 0.2090, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 151, 183) }
```

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

```
.background{ background-color: rgb(1, 151,  
183) }
```

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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