

Converting Colors

$Yxy(23.7585, 0.1787, 0.2226)$

Have a look what the booklet for
Yxy(23.7585, 0.1787, 0.2226)
contains.

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Color

Yxy(25.1612, 0.1963, 0.2267)

Conversions

Conversions Part 1

Format	Color
Hex	0092D1
RGB	0, 146, 209
RGB Percent	0%, 57%, 82%
CMY	1.0000, 0.4274, 0.1803
CMYK	1.00, 0.30, 0.00, 0.18
HSL	198°, 100%, 41%
HSV	198°, 100%, 82%
XYZ	21.7871, 25.1612, 64.0406
YIQ	109.5280, -107.2390, -11.3590

Conversions

Conversions Part 2

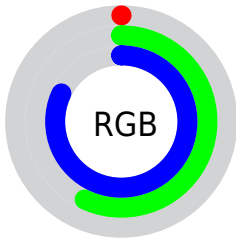
Format	Color
RYB	0, 86, 209
Decimal	37585
CIELab	57.23, -9.65, -41.31
CIELCh	57, 42.420, 256.845
Yxy	25.1612, 0.1963, 0.2267
Android (android.graphics.Color)	4278227665 (0xFF0092D1)
YUV	109.5280, 49.0397, -96.0561
Hunter-Lab	50.1609, -10.2511, -40.5831

Details

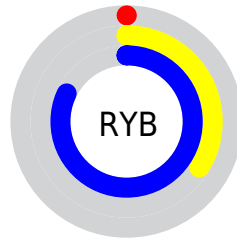
The Yxy color **25.1612, 0.1963, 0.2267** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **17.1144, 0.5972, 0.3640**, and the grayscale version is **15.3326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2953, 0.2231, 0.2597**, and **10.6988, 0.1896, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **25.1631, 0.1963, 0.2267**, and if you desaturate by 10%, it is **27.3182, 0.2012, 0.2380**.

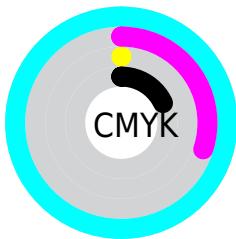
Distribution



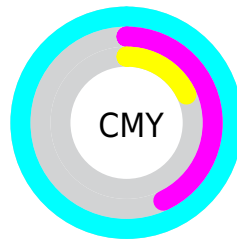
- Red (0%)
- Green (57%)
- Blue (82%)



- Red (0%)
- Yellow (34%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1612, 0.1963, 0.2267 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 25.1612, 0.1963, 0.2267 by changing the saturation by 10% instead.

■ 25.1612, 0.1963,
0.2267

■ 25.1612, 0.1963,
0.2267

278.6398, 0.2566,
0.2814

■ 16.1972, 0.1812,
0.2124

■ 51.9186, 0.2184,
0.2472

■ 9.6638, 0.1621,
0.1940

■ 70.4808, 0.2267,
0.2547

■ 5.1766, 0.1374,
0.1696

■ 93.0112, 0.2336,
0.2610

■ 2.3513, 0.1053,
0.1366

■ 119.8942, 0.2396,
0.2663

■ 0.8006, 0.0607,
0.0925

■ 151.5141, 0.2447,
0.2709

■ 0.0000, 0.0000,
0.0000

188.2554, 0.2492,

0.2749

230.5025, 0.2531,
0.2783

■ 25.1612, 0.1963,
0.2267

■ 25.1612, 0.1963,
0.2267

■ 25.1631, 0.1963,
0.2267

■ 27.3182, 0.2012,
0.2380

■ 29.7534, 0.2078,
0.2494

■ 32.5283, 0.2164,
0.2609

■ 35.6759, 0.2269,
0.2722

■ 39.2242, 0.2390,
0.2832

■ 43.1981, 0.2525,
0.2938

■ 47.6199, 0.2670,
0.3037

■ 52.5103, 0.2820,
0.3129

■ 57.8882, 0.2974,
0.3214

Harmonies

Analogous

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



25.1612, 0.1866, 0.2622



25.1612, 0.1963, 0.2267



25.1612, 0.2328, 0.2184

Triad

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



25.1612, 0.1963, 0.2267



25.1612, 0.4314, 0.3157



25.1612, 0.3177, 0.4556

Complementary

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



25.1612, 0.1963, 0.2267



17.1144, 0.5972, 0.3640

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.



25.1612, 0.3864, 0.4579



25.1612, 0.1963, 0.2267



25.1612, 0.4573, 0.3696

Square

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



25.1612, 0.1963, 0.2267



25.1612, 0.3682, 0.2679



25.1612, 0.4386, 0.4216



25.1612, 0.2515, 0.4029

Rectangle

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



25.1612, 0.1963, 0.2267



25.1612, 0.2711, 0.2261



25.1612, 0.4386, 0.4216



25.1612, 0.3413, 0.4621

Sweetspot

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



25.1631, 0.1963, 0.2267



74.4220, 0.2665, 0.3034



45.9651, 0.2892, 0.5609



15.2799, 0.2602, 0.2992



0.0000, 0.0000, 0.0000



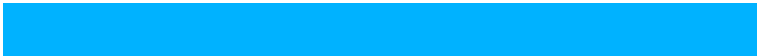
21.4041, 0.3127, 0.3290

Same Dimension

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



25.1631, 0.1963, 0.2267



39.1098, 0.1960, 0.2255



6.2463, 0.1552, 0.0786



12.7802, 0.2983, 0.3218



15.6921, 0.1968, 0.2283



1.0131, 0.2025, 0.2490

Inverse Universe

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



15.6333, 0.4161, 0.2066



24.4793, 0.4174, 0.2073



41.2737, 0.4601, 0.4729



11.9458, 0.3183, 0.3129



9.6554, 0.4144, 0.2056



0.5536, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 25.1612, 0.1963, 0.2267 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 25.1612, 0.1963, 0.2267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

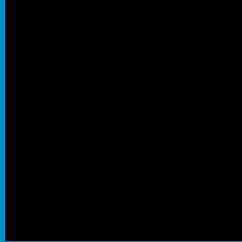
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1612, 0.1963, 0.2267

Background



This preview shows how black text looks on a background with the Yxy color 25.1612, 0.1963, 0.2267.

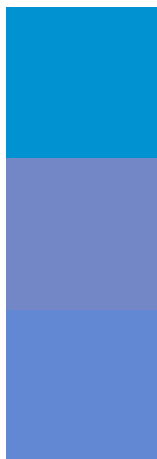


This preview shows how white text looks on a background with the Yxy color 25.1612, 0.1963, 0.2267.

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

25.1612, 0.1963, 0.2267

Protanopia

25.0963, 0.2397, 0.2310

Deuteranopia

24.9641, 0.2221, 0.2156



Tritanopia

25.1008, 0.2189, 0.3080

Trichromacy



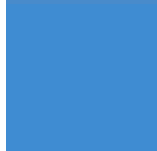
Original Color

25.1612, 0.1963, 0.2267



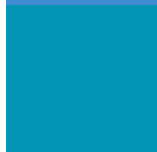
Protanomaly

24.1935, 0.2129, 0.2263



Deuteranomaly

24.4661, 0.2059, 0.2184



Tritanomaly

25.1080, 0.2098, 0.2751

Monochromacy



Original Color

25.1612, 0.1963, 0.2267



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.5433, 0.2381, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1612, 0.1963, 0.2267 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 209) }
```

Border

The CSS property to change the border of an element to Yxy 25.1612, 0.1963, 0.2267 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, 209) }
```

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

```
.border{ border-color:rgb(0, 146, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1612, 0.1963, 0.2267 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, 209) }
```

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

```
.background{ background-color: rgb(0, 146,  
209) }
```

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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