

Converting Colors

$Y_{xy}(23.8076, 0.2113, 0.2469)$

Have a look what the booklet for
Yxy(23.8076, 0.2113, 0.2469)
contains.

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Color

Yxy(23.7938, 0.2114, 0.2468)

Conversions

Conversions Part 1

Format	Color
Hex	348EBE
RGB	52, 142, 190
RGB Percent	20%, 56%, 75%
CMY	0.7963, 0.4431, 0.2549
CMYK	0.73, 0.25, 0.00, 0.25
HSL	201°, 57%, 47%
HSV	201°, 73%, 75%
XYZ	20.3809, 23.7938, 52.2345
YIQ	120.5620, -69.0480, -4.1520

Conversions

Conversions Part 2

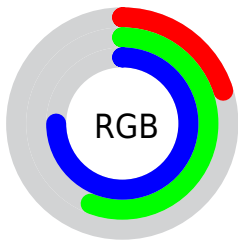
Format	Color
R _Y B	52, 106, 190
Decimal	3444414
CIE Lab	55.88, -10.56, -32.63
CIE LCh	56, 34.299, 252.069
Yxy	23.7938, 0.2114, 0.2468
Android (android.graphics.Color)	4281634494 (0xFF348EBE)
YUV	120.5620, 34.2329, -60.1289
Hunter-Lab	48.7789, -10.7818, -29.3451

Details

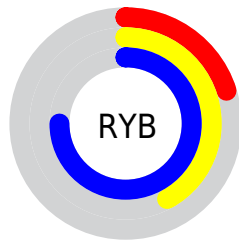
The Yxy color **23.7938, 0.2114, 0.2468** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.2965, 0.5032, 0.3868**, and the grayscale version is **18.8719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9083, 0.2314, 0.2641**, and **9.4319, 0.1952, 0.2226** is the 20% darker color. If you saturate the color by 10%, you get **21.4807, 0.2026, 0.2335**, and if you desaturate by 10%, it is **26.4277, 0.2221, 0.2600**.

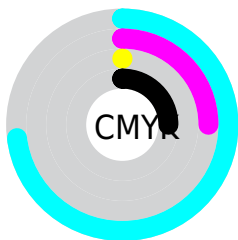
Distribution



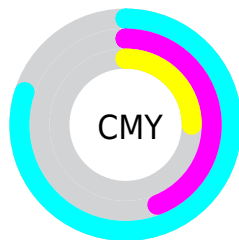
- Red (20%)
- Green (56%)
- Blue (75%)



- Red (20%)
- Yellow (42%)
- Blue (75%)



- Cyan (73%)
- Magenta (25%)
- Yellow (0%)
- Black (25%)



- Cyan (80%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7938, 0.2114, 0.2468 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 23.7938, 0.2114, 0.2468 by changing the saturation by 10% instead.

■ 23.7938, 0.2114,
0.2468

■ 23.7938, 0.2114,
0.2468

■ 271.7763, 0.2651,
0.2920

■ 15.1807, 0.1973,
0.2344

■ 49.6935, 0.2315,
0.2641

■ 8.9463, 0.1791,
0.2179

■ 67.7489, 0.2389,
0.2703

■ 4.7062, 0.1548,
0.1951

■ 89.7206, 0.2450,
0.2755

■ 2.0759, 0.1215,
0.1625

■ 115.9929, 0.2503,
0.2799

■ 0.6510, 0.0628,
0.1132

■ 146.9502, 0.2548,
0.2836

■ 0.0000, 0.0000,
0.0000

182.9770, 0.2587,

0.2867

224.4576, 0.2621,
0.2895

■ 23.7938, 0.2114,
0.2468

■ 23.7938, 0.2114,
0.2468

■ 21.4807, 0.2026,
0.2335

■ 26.4277, 0.2221,
0.2600

■ 19.4580, 0.1959,
0.2203

■ 29.4037, 0.2345,
0.2729

■ 18.1212, 0.1919,
0.2108

■ 32.7435, 0.2482,
0.2853

■ 36.4659, 0.2628,
0.2970

■ 40.5881, 0.2780,
0.3078

■ 45.1262, 0.2934,
0.3177

■ 50.0951, 0.3087,
0.3268

■ 55.5090, 0.3237,
0.3348

■ 61.3812, 0.3383,
0.3421

Harmonies

Analogous

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



23.7938, 0.2071, 0.2818



23.7938, 0.2114, 0.2468



23.7938, 0.2394, 0.2352

Triad

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



23.7938, 0.2114, 0.2468



23.7938, 0.4038, 0.3121



23.7938, 0.3279, 0.4347

Complementary

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



23.7938, 0.2114, 0.2468



20.2965, 0.5032, 0.3868

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.



23.7938, 0.3838, 0.4332



23.7938, 0.2114, 0.2468



23.7938, 0.4313, 0.3580

Square

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



23.7938, 0.2114, 0.2468



23.7938, 0.3493, 0.2721



23.7938, 0.4227, 0.4022



23.7938, 0.2707, 0.3977

Rectangle

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



23.7938, 0.2114, 0.2468



23.7938, 0.2701, 0.2394



23.7938, 0.4227, 0.4022



23.7938, 0.3475, 0.4384

Sweetspot

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



23.7946, 0.2114, 0.2468



73.7911, 0.2784, 0.3081



38.4375, 0.2815, 0.4911



15.7359, 0.2742, 0.3053



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.



23.7946, 0.2114, 0.2468



36.7586, 0.1985, 0.2259



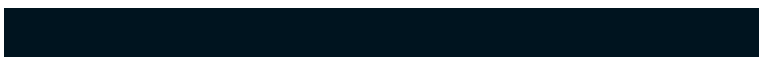
9.4716, 0.1822, 0.1306



10.2359, 0.2985, 0.3208



12.2005, 0.1924, 0.2125



0.5958, 0.2010, 0.2437

Inverse Universe

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



15.3513, 0.3917, 0.2199



23.8787, 0.4158, 0.2135



38.8293, 0.4279, 0.4658



9.6384, 0.3189, 0.3141



8.2613, 0.4314, 0.2150



0.3355, 0.3986, 0.1969

Previews

White Background



This preview shows how the Yxy color 23.7938, 0.2114, 0.2468 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 23.7938, 0.2114, 0.2468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

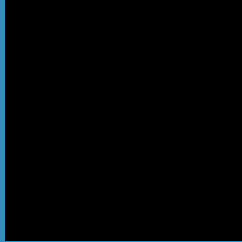
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7938, 0.2114, 0.2468

Background



This preview shows how black text looks on a background with the Yxy color 23.7938, 0.2114, 0.2468.

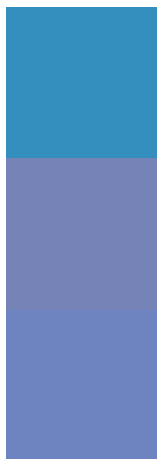


This preview shows how white text looks on a background with the Yxy color 23.7938, 0.2114, 0.2468.

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

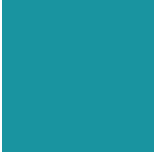
23.7938, 0.2114, 0.2468

Protanopia

23.4616, 0.2529, 0.2469

Deuteranopia

23.6233, 0.2396, 0.2340



Tritanopia

23.9245, 0.2216, 0.3059

Trichromacy



Original Color

23.7938, 0.2114, 0.2468

Protanomaly

23.2104, 0.2333, 0.2457

Deuteranomaly

23.4938, 0.2267, 0.2386

Tritanomaly

23.8554, 0.2172, 0.2828

Monochromacy



Original Color

23.7938, 0.2114, 0.2468

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2626, 0.2616, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7938, 0.2114, 0.2468 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(52, 142, 190)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 142, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 142, 190) }
```

Border

The CSS property to change the border of an element to Yxy 23.7938, 0.2114, 0.2468 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(52, 142, 190) }
```

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

```
.border{ border-color:rgb(52, 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(52, 142, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 142, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 142, 190);  
box-shadow:4px 4px 4px 4px rgb(52, 142,  
190) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.7938, 0.2114, 0.2468$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 142, 190) }
```

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

```
.background{ background-color: rgb(52, 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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