

Converting Colors

XYZ(38.3070, 23.7334, 91.3708)

Have a look what the booklet for
XYZ(38.3070, 23.7334, 91.3708)
contains.

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Color

**XYZ(38.4015, 23.7814,
91.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5EF8
RGB	174, 94, 248
RGB Percent	68%, 37%, 97%
CMY	0.3176, 0.6314, 0.0274
CMYK	0.30, 0.62, 0.00, 0.03
HSL	271°, 92%, 67%
HSV	271°, 62%, 97%
XYZ	38.4015, 23.7814, 91.3732
YIQ	135.4760, -1.7540, 64.8540

Conversions

Conversions Part 2

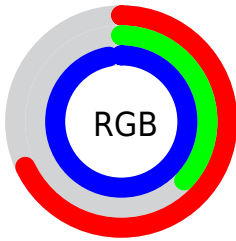
Format	Color
R_{YB}	174, 94, 248
Decimal	11427576
CIE _{Lab}	55.87, 59.86, -64.74
CIE _{LCh}	56, 88.169, 312.758
Yxy	23.7814, 0.2501, 0.1549
Android (android.graphics.Color)	4289617656 (0xFFAE5EF8)
YUV	135.4760, 55.4743, 33.7855
Hunter-Lab	48.7662, 55.2211, -76.9554

Details

The XYZ color **38.4015, 23.7814, 91.3732** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **51.7365, 76.2682, 22.5848**, and the grayscale version is **23.0075, 24.2057, 26.3600**.

A 20% lighter version of the original color is **62.2442, 45.7234, 100.1526**, and **17.3319, 8.9256, 50.0995** is the 20% darker color. If you saturate the color by 10%, you get **34.0018, 18.7490, 90.6342**, and if you desaturate by 10%, it is **43.7470, 30.3532, 92.3604**.

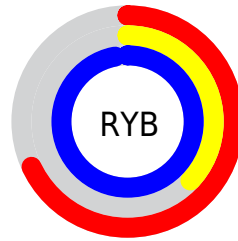
Distribution



Red (68%)

Green (37%)

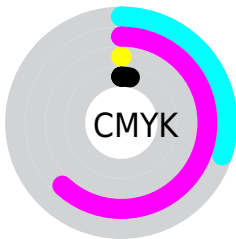
Blue (97%)



Red (68%)

Yellow (37%)

Blue (97%)

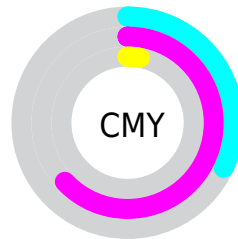


Cyan (30%)

Magenta (62%)

Yellow (0%)

Black (3%)



Cyan (32%)


Magenta (63%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4015, 23.7814, 91.3732 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 XYZ color 38.4015, 23.7814, 91.3732 by changing the saturation by 10% instead.

 38.4015, 23.7814,
91.3732

 38.4015, 23.7814,
91.3732


330.5903,
271.7134, 553.1727

 26.4731, 15.1715,
68.5400


 72.0231, 49.6732,
151.1965


 17.3124, 8.9399,
49.8678


 94.4469, 67.7240,
189.0237

 10.5542, 4.7020,
34.9379


 121.0999, 89.6905,
232.6860

 5.8330, 2.0735,
23.3319

 152.3475,
115.9572, 282.6019

 2.7835, 0.6497,
14.6311

188.5550,
146.9085, 339.1900

 1.0403, 0.0000,
8.4172

230.0877,

 0.0000, 0.0000,

182.9287, 402.8688

4.2715

277.3110,
224.4022, 474.0569

■ 0.0000, 0.0000,
1.7754

■ 0.0000, 0.0000,
0.4117

■ 38.4015, 23.7814,
91.3732

■ 38.4015, 23.7814,
91.3732

■ 34.0018, 18.7490,
90.6342

■ 43.7470, 30.3532,
92.3604

■ 30.4681, 15.1090,
90.1179


■ 50.1022, 38.5873,
93.6148


■ 27.7097, 12.6886,
89.7961

■ 57.5286, 48.5970,
95.1554

■ 25.9714, 11.4315,
89.6450

■ 66.0814, 60.4846,
96.9992

 75.8116, 74.3442,
99.1615

 86.7670, 90.2638,
101.6569

 93.9434, 99.5573,
103.0725

Harmonies

Analogous

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



27.1392, 23.7814, 125.8710



38.4015, 23.7814, 91.3732



46.5011, 23.7814, 45.9762

Triad

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



38.4015, 23.7814, 91.3732



28.8205, 23.7814, 0.8472



8.5216, 23.7814, 40.1189

Complementary

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



38.4015, 23.7814, 91.3732



51.7365, 76.2682, 22.5848

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.



8.7272, 23.7814, 12.7226



38.4015, 23.7814, 91.3732



18.6036, 23.7814, 0.7224

Square

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



38.4015, 23.7814, 91.3732



39.9419, 23.7814, 3.5767



11.8693, 23.7814, 2.8202



11.1878, 23.7814, 84.4669

Rectangle

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



38.4015, 23.7814, 91.3732



47.8813, 23.7814, 23.3242



11.8693, 23.7814, 2.8202



8.2868, 23.7814, 28.6457

Sweetspot

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



38.4026, 23.7823, 91.3738



73.4416, 68.7368, 104.0045



35.6428, 37.3233, 94.1329



15.1103, 13.8514, 22.1271



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.4026, 23.7823, 91.3738



34.9946, 18.6560, 96.3643



59.2623, 34.5816, 90.2853



17.1433, 17.0865, 21.7798



14.1928, 6.2593, 48.4337



1.4370, 0.6429, 4.4915

Inverse Universe

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



49.7824, 30.7896, 40.3650



49.0303, 27.2870, 33.9789



40.3216, 70.3700, 22.6619



17.5920, 17.3642, 19.7073



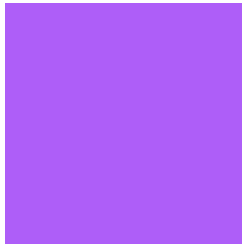
22.7861, 11.5302, 10.8481



2.1636, 1.0892, 1.2852

Previews

White Background



This preview shows how the XYZ color 38.4015, 23.7814, 91.3732 looks on a white background.

Color Contrast Check

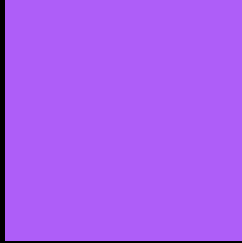
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 38.4015, 23.7814, 91.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

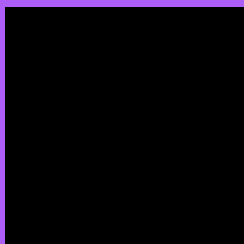
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4015, 23.7814, 91.3732

Background



This preview shows how black text looks on a background with the XYZ color 38.4015, 23.7814, 91.3732.

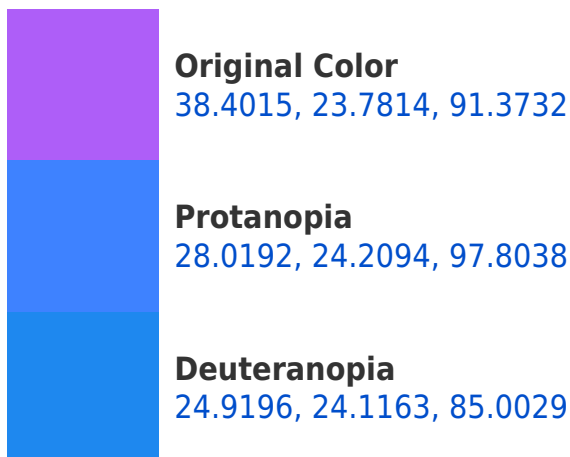


This preview shows how white text looks on a background with the XYZ color 38.4015, 23.7814,

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





Tritanopia

25.2312, 23.5693, 26.5121

Trichromacy



Original Color

38.4015, 23.7814, 91.3732



Protanomaly

29.5255, 22.6344, 94.9082



Deuteranomaly

26.3441, 21.8794, 86.8391



Tritanomaly

28.6511, 22.7860, 44.4830

Monochromacy



Original Color

38.4015, 23.7814, 91.3732



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.9474, 22.9571, 44.0852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4015, 23.7814, 91.3732 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(174, 94, 248)` looks like.

```
.text, #text, p{  
    color:rgb(174, 94, 248)  
}
```

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(174, 94, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 94, 248) }
```

Border

The CSS property to change the border of an element to XYZ 38.4015, 23.7814, 91.3732 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(174, 94, 248) }
```


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

```
.border{ border-color:rgb(174, 94, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 94, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 94, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 94, 248);  
box-shadow:4px 4px 4px 4px rgb(174, 94,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4015, 23.7814, 91.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 94, 248) }
```

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

```
.background{ background-color: rgb(174, 94,  
248) }
```

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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