

Converting Colors

XYZ(37.8417, 23.7687, 97.2011)

Have a look what the booklet for
XYZ(37.8417, 23.7687, 97.2011)
contains.

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Color

**XYZ(37.8417, 23.7687,
97.2011)**

Conversions

Conversions Part 1

Format	Color
Hex	A561FF
RGB	165, 97, 255
RGB Percent	65%, 38%, 100%
CMY	0.3529, 0.6196, 0.0000
CMYK	0.35, 0.62, 0.00, 0.00
HSL	266°, 100%, 69%
HSV	266°, 62%, 100%
XYZ	37.8417, 23.7687, 97.2011
YIQ	135.3440, -10.1900, 63.5540

Conversions

Conversions Part 2

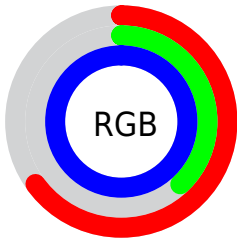
Format	Color
R_{YB}	165, 97, 255
Decimal	10838527
CIE _{Lab}	55.86, 58.11, -68.69
CIE _{LCh}	56, 89.969, 310.231
Yxy	23.7687, 0.2383, 0.1497
Android (android.graphics.Color)	4289028607 (0xFFA561FF)
YUV	135.3440, 58.9904, 26.0083
Hunter-Lab	48.7532, 53.2319, -84.0816

Details

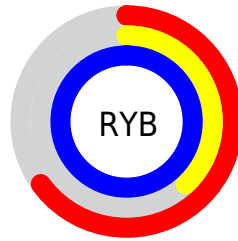
The XYZ color **37.8417, 23.7687, 97.2011** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **58.4108, 82.9477, 24.2417**, and the grayscale version is **22.9482, 24.1432, 26.2920**.

A 20% lighter version of the original color is **59.8571, 45.2005, 100.1775**, and **16.9226, 8.8968, 53.6486** is the 20% darker color. If you saturate the color by 10%, you get **33.0013, 18.3201, 96.4045**, and if you desaturate by 10%, it is **43.7842, 30.9095, 98.2662**.

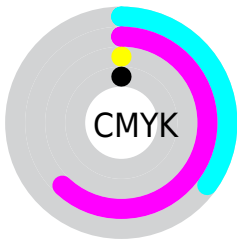
Distribution



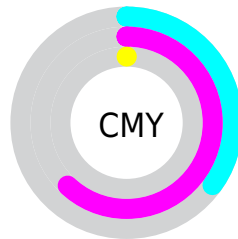
- Red (65%)
- Green (38%)
- Blue (100%)



- Red (65%)
- Yellow (38%)
- Blue (100%)



- Cyan (35%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8417, 23.7687, 97.2011 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 37.8417, 23.7687, 97.2011 by changing the saturation by 10% instead.

 37.8417, 23.7687,
97.2011

 37.8417, 23.7687,
97.2011


328.2330,
271.6490, 572.3512

 26.0365, 15.1621,
73.3613


 71.1709, 49.6525,
159.3237

 16.9838, 8.9333,
53.7778


 93.4256, 67.6985,
198.4435

 10.3182, 4.6977,
38.0321


 119.8942, 89.6598,
243.4939

 5.6743, 2.0710,
25.7056

 150.9421,
115.9207, 294.8932

 2.6868, 0.6482,
16.3797

186.9345,
146.8657, 353.0600

 0.9904, 0.0000,
9.6360

228.2369,

 0.0000, 0.0000,

182.8792, 418.4130

5.0559

275.2147,
224.3455, 491.3705

■ 0.0000, 0.0000,
2.2208

■ 0.0000, 0.0000,
0.6863

■ 37.8417, 23.7687,
97.2011

■ 37.8417, 23.7687,
97.2011

■ 33.0013, 18.3201,
96.4045

■ 43.7842, 30.9095,
98.2662

■ 29.1729, 14.4045,
95.8505

■ 50.9021, 39.8768,
99.6219

■ 26.2545, 11.8342,
95.5082

■ 59.2654, 50.7939,
101.2883

■ 24.4495, 10.5191,
95.3495

■ 68.9371, 63.7721,
103.2836

79.9760, 78.9144,
105.6246

92.4366, 96.3165,
108.3268

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



26.2718, 23.7687, 130.4669



37.8417, 23.7687, 97.2011



46.6445, 23.7687, 50.0180

Triad

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



37.8417, 23.7687, 97.2011



29.9259, 23.7687, 0.8135



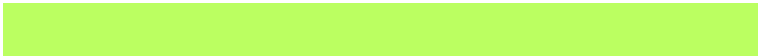
8.2278, 23.7687, 37.2420

Complementary

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



37.8417, 23.7687, 97.2011



58.4108, 82.9477, 24.2417

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.



8.6675, 23.7687, 11.1104



37.8417, 23.7687, 97.2011



19.2719, 23.7687, 0.5428

Square

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



37.8417, 23.7687, 97.2011



41.2012, 23.7687, 3.8740



12.1124, 23.7687, 2.2895



10.6481, 23.7687, 82.0472

Rectangle

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



37.8417, 23.7687, 97.2011



48.5510, 23.7687, 25.6534



12.1124, 23.7687, 2.2895



8.0693, 23.7687, 26.1081

Sweetspot

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



37.8427, 23.7695, 97.2012



72.0597, 68.0244, 103.9398



41.2136, 46.2288, 101.3586



14.7775, 13.6798, 22.1116



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.



37.8427, 23.7695, 97.2012



32.1411, 17.4024, 96.2727



58.8857, 34.6175, 98.1860



17.7444, 17.7600, 22.7427



12.9385, 5.5805, 49.8298



1.3820, 0.6063, 4.8575

Inverse Universe

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



54.4843, 33.3975, 50.5874



50.8247, 28.2392, 42.7061



44.3692, 75.7089, 23.5845



18.4429, 18.1605, 20.9497



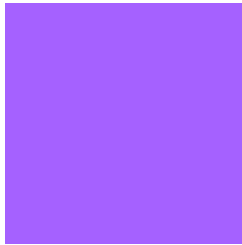
24.3057, 12.2116, 15.5262



2.4214, 1.2109, 1.8003

Previews

White Background



This preview shows how the XYZ color 37.8417, 23.7687, 97.2011 looks on a white background.

Color Contrast Check

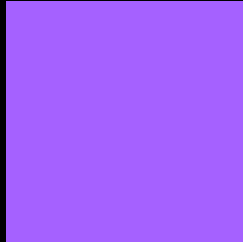
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8417, 23.7687, 97.2011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

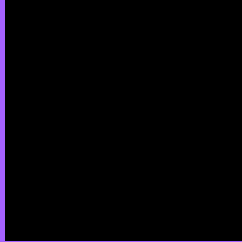
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8417, 23.7687, 97.2011

Background



This preview shows how black text looks on a background with the XYZ color 37.8417, 23.7687, 97.2011.

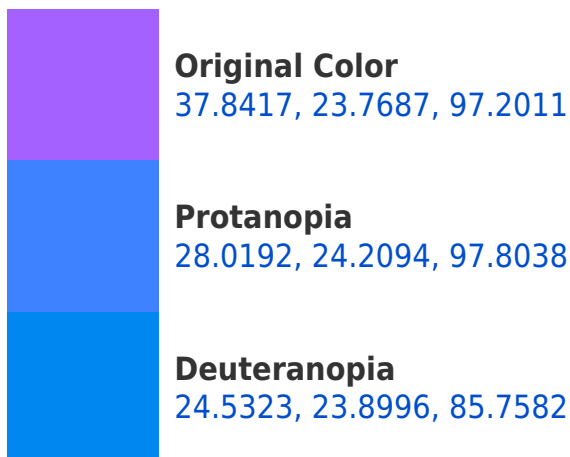


This preview shows how white text looks on a background with the XYZ color 37.8417, 23.7687,

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

23.8716, 23.6095, 28.1099

Trichromacy



Original Color

37.8417, 23.7687, 97.2011



Protanomaly

29.6740, 22.8295, 97.4503



Deuteranomaly

25.3044, 21.4723, 89.1971



Tritanomaly

27.4996, 22.8183, 47.2110

Monochromacy



Original Color

37.8417, 23.7687, 97.2011



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.8281, 23.0404, 45.6811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8417, 23.7687, 97.2011 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(165, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 97, 255)  
}
```

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(165, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 97, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.8417, 23.7687, 97.2011 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(165, 97, 255) }
```


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

```
.border{ border-color:rgb(165, 97, 255) }
```

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

Here you see how a box with a 4 pixel rgb(165, 97, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 97,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8417, 23.7687, 97.2011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 97, 255) }
```

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

```
.background{ background-color: rgb(165, 97,  
255) }
```

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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