

Converting Colors

XYZ(38.5278, 23.6851,
103.9984)

Have a look what the booklet for
XYZ(38.5278, 23.6851, 103.9984)
contains.

| | |
|--|----|
| XYZ(37.2465, 23.1909, 97.1209) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(37.2465, 23.1909,
97.1209)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A35FFF |
| RGB | 163, 95, 255 |
| RGB Percent | 64%, 37%, 100% |
| CMY | 0.3608, 0.6274, 0.0000 |
| CMYK | 0.36, 0.63, 0.00, 0.00 |
| HSL | 266°, 100%, 69% |
| HSV | 266°, 63%, 100% |
| XYZ | 37.2465, 23.1909, 97.1209 |
| YIQ | 133.5720, -10.8320, 64.1760 |

Conversions

Conversions Part 2

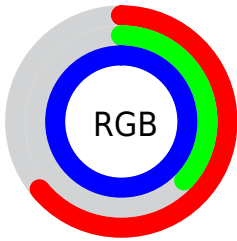
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 163, 95, 255 |
| Decimal | 10706943 |
| CIE Lab | 55.27, 58.70, -69.65 |
| CIE LCh | 55, 91.084, 310.125 |
| Yxy | 23.1909, 0.2364, 0.1472 |
| Android (android.graphics.Color) | 4288897023 (0xFFA35FFF) |
| YUV | 133.5720, 59.8640, 25.8084 |
| Hunter-Lab | 48.1569, 53.7844, -85.8638 |

Details

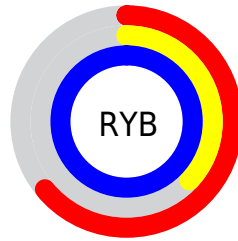
The XYZ color **37.2465, 23.1909, 97.1209** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **58.3184, 82.9106, 23.7564**, and the grayscale version is **22.2948, 23.4559, 25.5434**.

A 20% lighter version of the original color is **59.2289, 44.4029, 100.0566**, and **16.6149, 8.6302, 53.6134** is the 20% darker color. If you saturate the color by 10%, you get **32.4839, 17.8661, 96.3441**, and if you desaturate by 10%, it is **43.1106, 30.1994, 98.1646**.

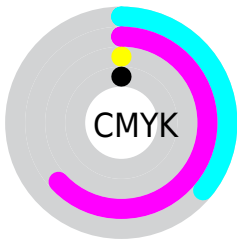
Distribution



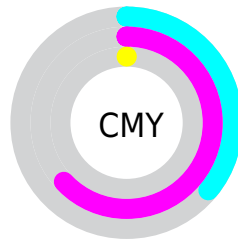
- Red (64%)
- Green (37%)
- Blue (100%)



- Red (64%)
- Yellow (37%)
- Blue (100%)



- Cyan (36%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2465, 23.1909, 97.1209 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 37.2465, 23.1909, 97.1209 by changing the saturation by 10% instead.

 37.2465, 23.1909,
97.1209


 37.2465, 23.1909,
97.1209

325.7135,
268.7040, 572.0896


 25.5730, 14.7345,
73.2949


 70.2631, 48.7066,
159.2122

 16.6354, 8.6333,
53.7238


 92.3369, 66.5347,
198.3145

 10.0686, 4.5028,
37.9892

 118.6081, 88.2555,
243.3459

 5.5071, 1.9586,
25.6726

 149.4422,
114.2534, 294.7251

 2.5855, 0.5832,
16.3553

185.2044,
144.9129, 352.8705

 0.9386, 0.0000,
9.6188

226.2601,

 0.0000, 0.0000,

180.6181, 418.2007

5.0447

272.9747,
221.7537, 491.1342

■ 0.0000, 0.0000,
2.2143

■ 0.0000, 0.0000,
0.6826

■ 37.2465, 23.1909,
97.1209

■ 37.2465, 23.1909,
97.1209

■ 32.4839, 17.8661,
96.3441

■ 43.1106, 30.1994,
98.1646

■ 28.7314, 14.0636,
95.8080

■ 50.1505, 39.0276,
99.4976

■ 25.8848, 11.5923,
95.4810

■ 58.4372, 49.7996,
101.1400

■ 24.2808, 10.4321,
95.3416

■ 68.0343, 62.6278,
103.1103

■ 79.0011, 77.6159,
105.4253

■ 91.3928, 94.8604,
108.1007

■ 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.



25.6720, 23.1909, 130.6776



37.2465, 23.1909, 97.1209



46.1008, 23.1909, 49.5553

Triad

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



37.2465, 23.1909, 97.1209



29.4023, 23.1909, 0.6734



7.8265, 23.1909, 36.4652

Complementary

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



37.2465, 23.1909, 97.1209



58.3184, 82.9106, 23.7564

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.



8.2669, 23.1909, 10.5678



37.2465, 23.1909, 97.1209



18.7718, 23.1909, 0.3933

Square

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



37.2465, 23.1909, 97.1209



40.6902, 23.1909, 3.5975



11.6671, 23.1909, 2.0529



10.1923, 23.1909, 81.4798

Rectangle

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



37.2465, 23.1909, 97.1209



48.0371, 23.1909, 25.1282



11.6671, 23.1909, 2.0529



7.6744, 23.1909, 25.3741

Sweetspot

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



37.2475, 23.1917, 97.1210



71.9774, 67.9820, 103.9360



40.8241, 45.7622, 101.2891



14.7577, 13.6697, 22.1106



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.



37.2475, 23.1917, 97.1210



31.5527, 16.8816, 96.2032



58.6460, 34.2230, 98.1225



17.7349, 17.7551, 22.7423



12.8494, 5.5346, 49.8256



1.3728, 0.6016, 4.8570

Inverse Universe

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



54.3016, 33.0324, 50.5258



50.6715, 27.9435, 42.6215



44.0507, 75.5554, 23.0887



18.4472, 18.1622, 20.9720



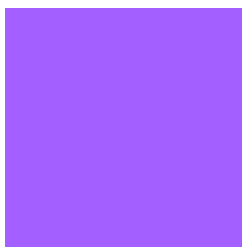
24.3613, 12.2338, 15.8190



2.4267, 1.2130, 1.8282

Previews

White Background



This preview shows how the XYZ color 37.2465, 23.1909, 97.1209 looks on a white background.

Color Contrast Check

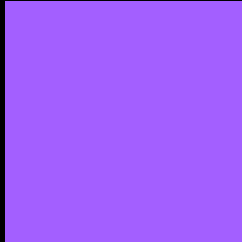
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2465, 23.1909, 97.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

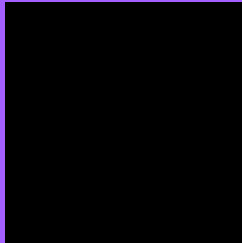
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2465, 23.1909, 97.1209

Background



This preview shows how black text looks on a background with the XYZ color 37.2465, 23.1909, 97.1209.



This preview shows how white text looks on a background with the XYZ color 37.2465, 23.1909,

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

37.2465, 23.1909, 97.1209

Protanopia

27.4001, 23.4991, 97.6994

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

23.1579, 23.0536, 27.6553

Trichromacy



Original Color

37.2465, 23.1909, 97.1209



Protanomaly

29.0147, 22.1437, 97.3527



Deuteranomaly

24.8492, 20.8944, 88.3113



Tritanomaly

26.9145, 22.3547, 46.6124

Monochromacy



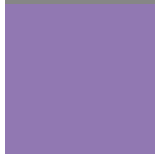
Original Color

37.2465, 23.1909, 97.1209



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.4294, 22.6670, 45.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2465, 23.1909, 97.1209 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(163, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 95, 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(163, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 95, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.2465, 23.1909, 97.1209 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(163, 95, 255) }
```


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

```
.border{ border-color:rgb(163, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 95,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2465, 23.1909, 97.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 95, 255) }
```

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

```
.background{ background-color: rgb(163, 95,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor