

Converting Colors

XYZ(33.8422, 22.9298, 97.7743)

Have a look what the booklet for
XYZ(33.8422, 22.9298, 97.7743)
contains.

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Color

**XYZ(33.8515, 23.0170,
97.2663)**

Conversions

Conversions Part 1

Format	Color
Hex	8B6AFF
RGB	139, 106, 255
RGB Percent	55%, 42%, 100%
CMY	0.4549, 0.5843, 0.0000
CMYK	0.45, 0.58, 0.00, 0.00
HSL	253°, 100%, 71%
HSV	253°, 58%, 100%
XYZ	33.8515, 23.0170, 97.2663
YIQ	132.8530, -28.1610, 53.3350

Conversions

Conversions Part 2

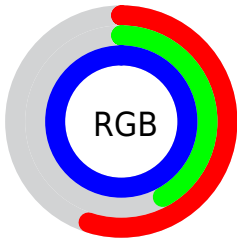
Format	Color
RYB	139, 106, 255
Decimal	9136895
CIELab	55.09, 48.00, -70.05
CIELCh	55, 84.915, 304.418
Yxy	23.0170, 0.2196, 0.1493
Android (android.graphics.Color)	4287326975 (0xFF8B6AFF)
YUV	132.8530, 60.2185, 5.3909
Hunter-Lab	47.9760, 41.9901, -86.6209

Details

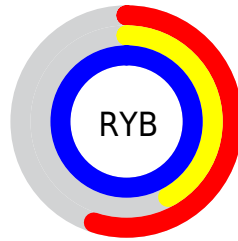
The XYZ color **33.8515, 23.0170, 97.2663** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.4844, 88.0895, 27.0294**, and the grayscale version is **22.0373, 23.1850, 25.2484**.

A 20% lighter version of the original color is **53.8300, 43.8158, 100.2279**, and **14.6831, 8.5772, 53.7050** is the 20% darker color. If you saturate the color by 10%, you get **28.5844, 16.9638, 96.3755**, and if you desaturate by 10%, it is **40.5035, 30.9438, 98.4457**.

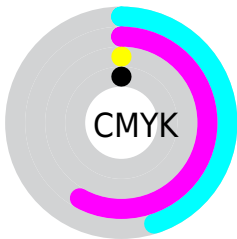
Distribution



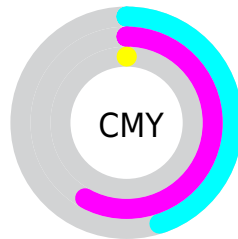
- Red (55%)
- Green (42%)
- Blue (100%)



- Red (55%)
- Yellow (42%)
- Blue (100%)



- Cyan (45%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8515, 23.0170, 97.2663 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 33.8515, 23.0170, 97.2663 by changing the saturation by 10% instead.


 33.8515, 23.0170,
97.2663


 33.8515, 23.0170,
97.2663


311.0670,
267.8123, 572.5638


 22.9419, 14.6061,
73.4154

 65.0485, 48.4212,
159.4143


 14.6711, 8.5434,
53.8218


 86.0666, 66.1833,
198.5485

 8.6737, 4.4446,
38.0670


 111.1849, 87.8313,
243.6141

 4.5843, 1.9252,
25.7325

 140.7688,
113.7494, 295.0298

 2.0377, 0.5635,
16.3996

175.1836,
144.3222, 353.2141

 0.6550, 0.0000,
9.6500

214.7946,

 0.0000, 0.0000,

179.9340, 418.5855

5.0649

259.9673,
220.9693, 491.5625

■ 0.0000, 0.0000,
2.2260

■ 0.0000, 0.0000,
0.6893

■ 33.8515, 23.0170,
97.2663

■ 33.8515, 23.0170,
97.2663

■ 28.5844, 16.9638,
96.3755

■ 40.5035, 30.9438,
98.4457

■ 24.5949, 12.6222,
95.7478

■ 48.6302, 40.8833,
99.9359

■ 21.7638, 9.8051,
95.3532

■ 58.3173, 52.9635,
101.7571

■ 19.9328, 8.2551,
95.1506

■ 69.6428, 67.3012,
103.9276

■ 19.7081, 8.0748,
95.1276

■ 82.6793, 84.0046,
106.4646

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.



23.3082, 23.0170, 121.1266



33.8515, 23.0170, 97.2663



42.7237, 23.0170, 54.9522

Triad

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



33.8515, 23.0170, 97.2663



30.7075, 23.0170, 1.3228



8.2922, 23.0170, 29.2923

Complementary

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



33.8515, 23.0170, 97.2663



68.4844, 88.0895, 27.0294

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.



9.2311, 23.0170, 8.6275



33.8515, 23.0170, 97.2663



20.5055, 23.0170, 0.7215

Square

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



33.8515, 23.0170, 97.2663



40.5718, 23.0170, 5.6441



13.1229, 23.0170, 1.9716



10.0419, 23.0170, 67.5374

Rectangle

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



33.8515, 23.0170, 97.2663



45.4298, 23.0170, 30.4770



13.1229, 23.0170, 1.9716



8.3091, 23.0170, 20.3290

Sweetspot

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



33.8525, 23.0177, 97.2664



70.1689, 67.9716, 104.0293



50.3061, 62.9084, 104.0989



14.2720, 13.5981, 22.1224



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.



33.8525, 23.0177, 97.2664



27.8767, 16.1737, 96.2603



50.5820, 31.6421, 98.0493



17.3792, 17.5717, 22.7256



10.4013, 4.2725, 49.7111



1.1013, 0.4617, 4.8443

Inverse Universe

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



59.5784, 36.8420, 73.0752



56.1841, 31.4281, 67.7059



50.6137, 78.8768, 26.1931



18.6103, 18.2274, 21.8310



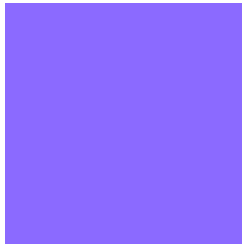
26.9646, 13.2751, 29.5275



2.6659, 1.3087, 3.0879

Previews

White Background



This preview shows how the XYZ color 33.8515, 23.0170, 97.2663 looks on a white background.

Color Contrast Check

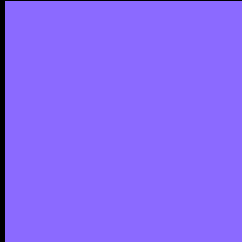
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8515, 23.0170, 97.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

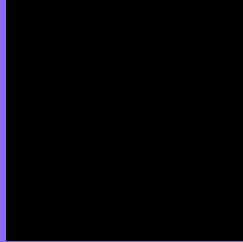
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8515, 23.0170, 97.2663

Background



This preview shows how black text looks on a background with the XYZ color 33.8515, 23.0170, 97.2663.



This preview shows how white text looks on a background with the XYZ color 33.8515, 23.0170,

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

33.8515, 23.0170, 97.2663

Protanopia

27.1607, 23.1830, 97.6510

Deuteranopia

23.5205, 23.0484, 81.8064



Tritanopia

20.4229, 22.9986, 30.5569

Trichromacy



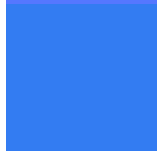
Original Color

33.8515, 23.0170, 97.2663



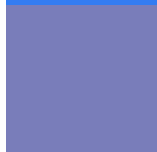
Protanomaly

28.3931, 22.3449, 97.4243



Deuteranomaly

24.5999, 21.5299, 86.8635



Tritanomaly

24.0817, 22.2773, 49.4851

Monochromacy



Original Color

33.8515, 23.0170, 97.2663



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

25.0104, 22.4911, 44.6180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8515, 23.0170, 97.2663 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(139, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 106, 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(139, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 106, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.8515, 23.0170, 97.2663 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(139, 106, 255) }
```


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

```
.border{ border-color:rgb(139, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 106,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8515, 23.0170, 97.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 106, 255) }
```

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

```
.background{ background-color: rgb(139,  
106, 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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