

Converting Colors

XYZ(33.8450, 21.3792, 96.9505)

Have a look what the booklet for
XYZ(33.8450, 21.3792, 96.9505)
contains.

XYZ(33.8193, 21.4242, 96.9605)	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(33.8193, 21.4242,
96.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	915FFF
RGB	145, 95, 255
RGB Percent	57%, 37%, 100%
CMY	0.4314, 0.6274, 0.0000
CMYK	0.43, 0.63, 0.00, 0.00
HSL	259°, 100%, 69%
HSV	259°, 63%, 100%
XYZ	33.8193, 21.4242, 96.9605
YIQ	128.1900, -21.5600, 60.3600

Conversions

Conversions Part 2

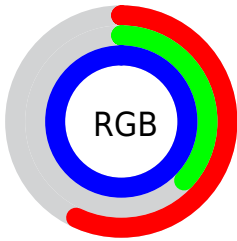
Format	Color
R _Y B	145, 95, 255
Decimal	9527295
CIE Lab	53.41, 55.12, -72.74
CIE LCh	53, 91.269, 307.154
Yxy	21.4242, 0.2222, 0.1408
Android (android.graphics.Color)	4287717375 (0xFF915FFF)
YUV	128.1900, 62.5173, 14.7424
Hunter-Lab	46.2863, 49.4209, -91.8003

Details

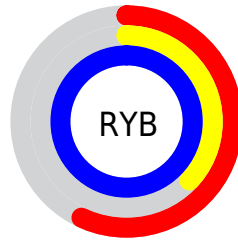
The XYZ color **33.8193, 21.4242, 96.9605** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **63.0014, 85.3248, 23.9756**, and the grayscale version is **20.3799, 21.4413, 23.3495**.

A 20% lighter version of the original color is **53.8167, 41.3789, 99.7582**, and **14.6349, 7.7174, 53.5416** is the 20% darker color. If you saturate the color by 10%, you get **29.0323, 16.0867, 96.1826**, and if you desaturate by 10%, it is **39.8363, 28.5114, 98.0114**.

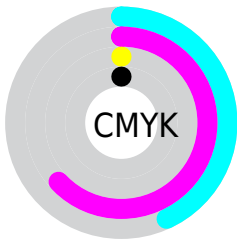
Distribution



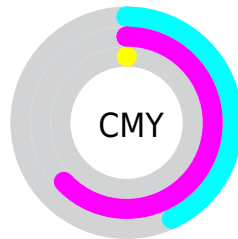
- Red (57%)
- Green (37%)
- Blue (100%)



- Red (57%)
- Yellow (37%)
- Blue (100%)



- Cyan (43%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8193, 21.4242, 96.9605 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 33.8193, 21.4242, 96.9605 by changing the saturation by 10% instead.

33.8193, 21.4242,
96.9605

33.8193, 21.4242,
96.9605

310.9257,
259.5244, 571.5663

22.9170, 13.4344,
73.1619

64.9987, 45.7925,
158.9891

14.6526, 7.7284,
53.6157

86.0066, 62.9397,
198.0563

8.6607, 3.9216,
37.9034

111.1137, 83.9083,
243.0500

4.5759, 1.6298,
25.6065

140.6855,
109.0826, 294.3888

2.0328, 0.3776,
16.3064

175.0872,
138.8469, 352.4914

0.6523, 0.0000,
9.5845

214.6842,

0.0000, 0.0000,

173.5857, 417.7761

5.0224

259.8419,
213.6834, 490.6616

■ 0.0000, 0.0000,
2.2014

■ 0.0000, 0.0000,
0.6752

■ 33.8193, 21.4242,
96.9605

■ 33.8193, 21.4242,
96.9605

■ 29.0323, 16.0867,
96.1826

■ 39.8363, 28.5114,
98.0114

■ 25.3742, 12.3329,
95.6509

■ 47.1669, 37.4894,
99.3580

■ 22.7296, 9.9657,
95.3333

■ 55.8903, 48.4866,
101.0209

■ 21.3325, 8.9122,
95.2036

■ 66.0783, 61.6194,
103.0188

■ 77.7973, 76.9954,
105.3690

■ 91.1097, 94.7144,
108.0875

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.



22.7731, 21.4242, 126.4633



33.8193, 21.4242, 96.9605



42.8173, 21.4242, 50.7907

Triad

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



33.8193, 21.4242, 96.9605



28.4894, 21.4242, 0.5578



6.9045, 21.4242, 30.6251

Complementary

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



33.8193, 21.4242, 96.9605



63.0014, 85.3248, 23.9756

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.



7.5648, 21.4242, 8.1356



33.8193, 21.4242, 96.9605



18.1293, 21.4242, 0.1069

Square

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



33.8193, 21.4242, 96.9605



39.1201, 21.4242, 3.6609



11.0542, 21.4242, 1.4068



8.8287, 21.4242, 72.6881

Rectangle

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



33.8193, 21.4242, 96.9605



45.2228, 21.4242, 26.0791



11.0542, 21.4242, 1.4068



6.8453, 21.4242, 20.7763

Sweetspot

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



33.8203, 21.4248, 96.9606



70.2839, 67.1089, 103.8567



45.0824, 54.2788, 102.7085



14.3519, 13.4604, 22.0916



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.



33.8203, 21.4248, 96.9606



28.1124, 15.1081, 96.0422



52.5738, 31.0927, 97.8383



17.5371, 17.6531, 22.7330



11.2812, 4.7261, 49.7522



1.2053, 0.5152, 4.8492

Inverse Universe

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



56.3513, 33.8522, 61.3193



52.9356, 28.8492, 54.5443



46.5782, 76.8583, 23.2070



18.5368, 18.1980, 21.4440



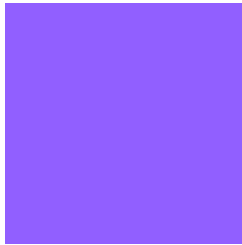
25.6781, 12.7605, 22.7531



2.5495, 1.2622, 2.4751

Previews

White Background



This preview shows how the XYZ color 33.8193, 21.4242, 96.9605 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 33.8193, 21.4242, 96.9605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

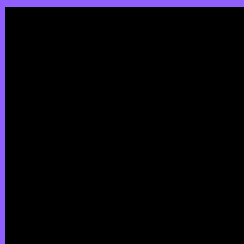
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8193, 21.4242, 96.9605

Background



This preview shows how black text looks on a background with the XYZ color 33.8193, 21.4242, 96.9605.



This preview shows how white text looks on a background with the XYZ color 33.8193, 21.4242,

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

33.8193, 21.4242, 96.9605

Protanopia

25.7926, 21.7260, 97.4419

Deuteranopia

21.8478, 21.5113, 75.6736



Tritanopia

19.8466, 21.3465, 27.5004

Trichromacy



Original Color

33.8193, 21.4242, 96.9605



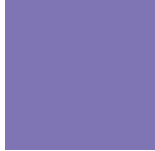
Protanomaly

26.7792, 20.4861, 97.1505



Deuteranomaly

23.1155, 19.5939, 82.6844



Tritanomaly

23.4542, 20.5708, 46.4505

Monochromacy



Original Color

33.8193, 21.4242, 96.9605



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.7169, 20.6151, 42.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8193, 21.4242, 96.9605 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(145, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 95, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.8193, 21.4242, 96.9605 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(145, 95, 255) }
```


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

```
.border{ border-color:rgb(145, 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(145, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 95,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8193, 21.4242, 96.9605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 95, 255) }
```

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

```
.background{ background-color: rgb(145, 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](#).

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