

Converting Colors

XYZ(37.3713, 22.1579,
115.8801)

Have a look what the booklet for
XYZ(37.3713, 22.1579, 115.8801)
contains.

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Color

**XYZ(33.7388, 20.7354,
96.8318)**

Conversions

Conversions Part 1

Format	Color
Hex	935AFF
RGB	147, 90, 255
RGB Percent	58%, 35%, 100%
CMY	0.4235, 0.6471, 0.0000
CMYK	0.42, 0.65, 0.00, 0.00
HSL	261°, 100%, 68%
HSV	261°, 65%, 100%
XYZ	33.7388, 20.7354, 96.8318
YIQ	125.8530, -18.9930, 63.3990

Conversions

Conversions Part 2

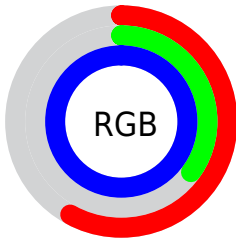
Format	Color
RYB	147, 90, 255
Decimal	9657087
CIELab	52.66, 58.08, -73.95
CIELCh	53, 94.036, 308.146
Yxy	20.7354, 0.2230, 0.1370
Android (android.graphics.Color)	4287847167 (0xFF935AFF)
YUV	125.8530, 63.6695, 18.5459
Hunter-Lab	45.5361, 52.5666, -94.2038

Details

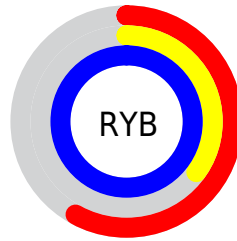
The XYZ color **33.7388, 20.7354, 96.8318** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **60.8933, 84.2635, 22.7282**, and the grayscale version is **19.5777, 20.5973, 22.4304**.

A 20% lighter version of the original color is **53.6046, 40.1303, 99.5284**, and **14.6089, 7.3959, 53.4809** is the 20% darker color. If you saturate the color by 10%, you get **29.1660, 15.7143, 96.1037**, and if you desaturate by 10%, it is **39.4850, 27.4562, 97.8262**.

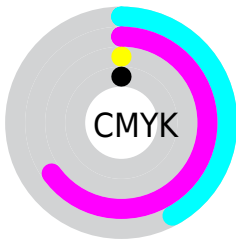
Distribution



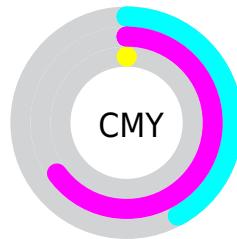
- Red (58%)
- Green (35%)
- Blue (100%)



- Red (58%)
- Yellow (35%)
- Blue (100%)



- Cyan (42%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7388, 20.7354, 96.8318 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 33.7388, 20.7354, 96.8318 by changing the saturation by 10% instead.


 33.7388, 20.7354,
96.8318


 33.7388, 20.7354,
96.8318


310.5722,
255.8689, 571.1463


 22.8549, 12.9307,
73.0552

 64.8743, 44.6467,
158.8102

 14.6065, 7.3809,
53.5290


 85.8566, 61.5222,
197.8491

 8.6282, 3.7014,
37.8346


 110.9358, 82.1901,
242.8125

 4.5547, 1.5080,
25.5535

 140.4772,
107.0347, 294.1189

 2.0205, 0.2943,
16.2672

174.8462,
136.4405, 352.1870

 0.6454, 0.0000,
9.5570

214.4081,

 0.0000, 0.0000,

170.7919, 417.4352

5.0045

259.5284,
210.4732, 490.2821

■ 0.0000, 0.0000,
2.1911

■ 0.0000, 0.0000,
0.6692

■ 33.7388, 20.7354,
96.8318

■ 33.7388, 20.7354,
96.8318

■ 29.1660, 15.7143,
96.1037

■ 39.4850, 27.4562,
97.8262

■ 25.6662, 12.2234,
95.6143

■ 46.4873, 36.0197,
99.1101

■ 23.1231, 10.0586,
95.3305

■ 54.8233, 46.5556,
100.7044

■ 22.0837, 9.2995,
95.2388

■ 64.5632, 59.1808,
102.6279

■ 75.7720, 74.0031,
104.8981

■ 88.5104, 91.1227,
107.5312

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.



22.4919, 20.7354, 128.7006



33.7388, 20.7354, 96.8318



42.7931, 20.7354, 49.1126

Triad

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



33.7388, 20.7354, 96.8318



27.5617, 20.7354, 0.2456



6.3473, 20.7354, 31.0910

Complementary

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



33.7388, 20.7354, 96.8318



60.8933, 84.2635, 22.7282

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.



6.9084, 20.7354, 7.8874



33.7388, 20.7354, 96.8318



17.1645, 20.7354, 0.0000

Square

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



33.7388, 20.7354, 96.8318



38.4830, 20.7354, 2.9834



10.2328, 20.7354, 1.1932



8.3180, 20.7354, 74.7831

Rectangle

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



33.7388, 20.7354, 96.8318



45.0802, 20.7354, 24.3636



10.2328, 20.7354, 1.1932



6.2632, 20.7354, 20.8805

Sweetspot

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



33.7398, 20.7360, 96.8319



70.7743, 67.3617, 103.8796



42.9209, 50.7025, 102.1321



14.4692, 13.5209, 22.0971



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.



33.7398, 20.7360, 96.8319



27.8996, 14.4042, 95.9176



53.5428, 30.9449, 97.7587



17.5947, 17.6828, 22.7357



11.6832, 4.9334, 49.7711



1.2497, 0.5382, 4.8513

Inverse Universe

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



55.0889, 32.6496, 56.8224



51.5522, 27.6553, 49.2339



45.0091, 76.0749, 21.9848



18.5104, 18.1875, 21.3051



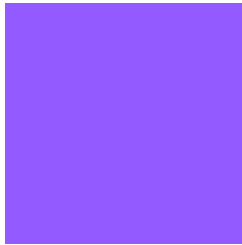
25.2618, 12.5940, 20.5609



2.5112, 1.2468, 2.2731

Previews

White Background



This preview shows how the XYZ color 33.7388, 20.7354, 96.8318 looks on a white background.

Color Contrast Check

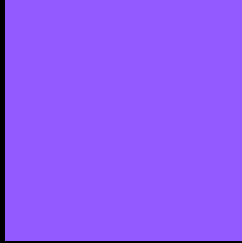
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7388, 20.7354, 96.8318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

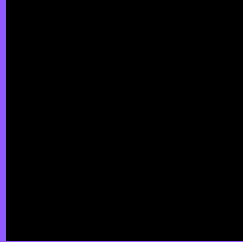
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7388, 20.7354, 96.8318

Background



This preview shows how black text looks on a background with the XYZ color 33.7388, 20.7354, 96.8318.



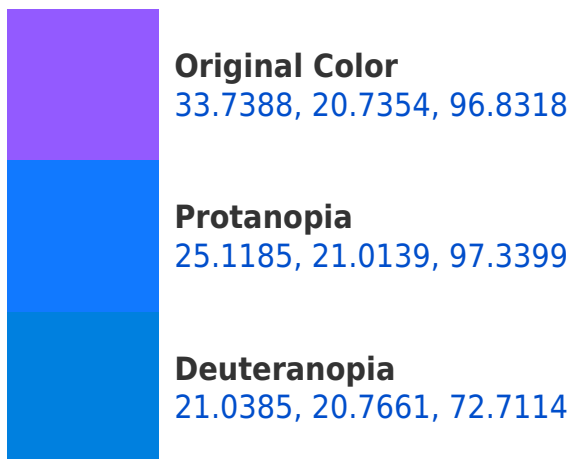
This preview shows how white text looks on a background with the XYZ color 33.7388, 20.7354,

96.8318.

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

19.5125, 20.6212, 26.2444

Trichromacy



Original Color

33.7388, 20.7354, 96.8318



Protanomaly

25.7403, 19.4618, 97.0076



Deuteranomaly

22.4809, 18.7897, 81.0392



Tritanomaly

23.0951, 19.7321, 45.2392

Monochromacy



Original Color

33.7388, 20.7354, 96.8318



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

23.2795, 19.8957, 42.1485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7388, 20.7354, 96.8318 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(147, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 90, 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(147, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 90, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7388, 20.7354, 96.8318 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(147, 90, 255) }
```


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

```
.border{ border-color:rgb(147, 90, 255) }
```

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

Here you see how a box with a 4 pixel rgb(147, 90, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 90,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7388, 20.7354, 96.8318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 90, 255) }
```

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

```
.background{ background-color: rgb(147, 90,  
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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