

Converting Colors

XYZ(35.8345, 21.7384, 99.9868)

Have a look what the booklet for
XYZ(35.8345, 21.7384, 99.9868)
contains.

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Color

**XYZ(35.2237, 21.5009,
96.9013)**

Conversions

Conversions Part 1

Format	Color
Hex	9B5AFF
RGB	155, 90, 255
RGB Percent	61%, 35%, 100%
CMY	0.3921, 0.6471, 0.0000
CMYK	0.39, 0.65, 0.00, 0.00
HSL	264°, 100%, 68%
HSV	264°, 65%, 100%
XYZ	35.2237, 21.5009, 96.9013
YIQ	128.2450, -14.2250, 65.0950

Conversions

Conversions Part 2

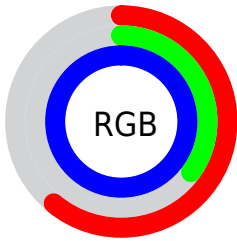
Format	Color
R _Y B	155, 90, 255
Decimal	10181375
CIE Lab	53.49, 59.60, -72.56
CIE LCh	53, 93.902, 309.401
Yxy	21.5009, 0.2293, 0.1400
Android (android.graphics.Color)	4288371455 (0xFF9B5AFF)
YUV	128.2450, 62.4902, 23.4641
Hunter-Lab	46.3691, 54.4495, -91.4449

Details

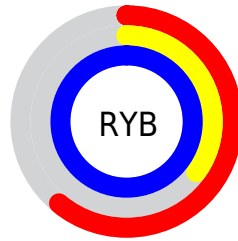
The XYZ color **35.2237, 21.5009, 96.9013** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **58.8401, 83.2050, 22.6322**, and the grayscale version is **20.3972, 21.4594, 23.3693**.

A 20% lighter version of the original color is **55.8968, 41.3120, 99.6357**, and **15.4589, 7.7872, 53.5116** is the 20% darker color. If you saturate the color by 10%, you get **30.6514, 16.4801, 96.1732**, and if you desaturate by 10%, it is **40.9149, 28.1934, 97.8932**.

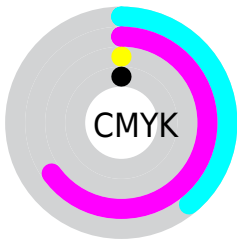
Distribution



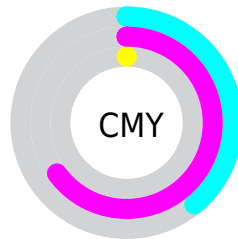
- Red (61%)
- Green (35%)
- Blue (100%)



- Red (61%)
- Yellow (35%)
- Blue (100%)



- Cyan (39%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2237, 21.5009, 96.9013 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 35.2237, 21.5009, 96.9013 by changing the saturation by 10% instead.

 35.2237, 21.5009,
96.9013


 35.2237, 21.5009,
96.9013


317.0454,
259.9286, 571.3731


 24.0026, 13.4906,
73.1128


 67.1639, 45.9197,
158.9068


 15.4603, 7.7673,
53.5758


 88.6137, 63.0970,
197.9610

 9.2315, 3.9464,
37.8718


 114.2037, 84.0988,
242.9407

 4.9508, 1.6436,
25.5821

 144.2994,
109.3095, 294.2647

 2.2529, 0.3867,
16.2883

179.2661,
139.1134, 352.3514

 0.7704, 0.0000,
9.5719

219.4690,

 0.0000, 0.0000,

173.8950, 417.6193

5.0142

265.2737,
214.0386, 490.4870

■ 0.0000, 0.0000,
2.1967

■ 0.0000, 0.0000,
0.6725

■ 35.2237, 21.5009,
96.9013

■ 35.2237, 21.5009,
96.9013

■ 30.6514, 16.4801,
96.1732

■ 40.9149, 28.1934,
97.8932

■ 27.1016, 12.9634,
95.6815

■ 47.8035, 36.6983,
99.1717

■ 24.4631, 10.7494,
95.3932

■ 55.9636, 47.1435,
100.7577

■ 23.3565, 9.9556,
95.2983

■ 65.4619, 59.6442,
102.6700

■ 76.3602, 74.3065,
104.9257

■ 88.7163, 91.2290,
107.5409

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.



23.7387, 21.5009, 130.5229



35.2237, 21.5009, 96.9013



44.2221, 21.5009, 48.6071

Triad

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



35.2237, 21.5009, 96.9013



27.9711, 21.5009, 0.3028



6.7345, 21.5009, 33.6014

Complementary

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



35.2237, 21.5009, 96.9013



58.8401, 83.2050, 22.6322

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.



7.2083, 21.5009, 8.8942



35.2237, 21.5009, 96.9013



17.4547, 21.5009, 0.0000

Square

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



35.2237, 21.5009, 96.9013



39.1753, 21.5009, 2.9712



10.5031, 21.5009, 1.4362



8.8918, 21.5009, 78.6107

Rectangle

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



35.2237, 21.5009, 96.9013



46.3081, 21.5009, 23.9912



10.5031, 21.5009, 1.4362



6.6126, 21.5009, 22.8399

Sweetspot

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



35.2247, 21.5016, 96.9014



71.5044, 67.7381, 103.9138



41.0615, 46.9836, 101.5123



14.6441, 13.6111, 22.1053



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.



35.2247, 21.5016, 96.9014



29.3738, 15.1641, 95.9865



56.2155, 32.3227, 97.8838



17.6800, 17.7268, 22.7397



12.3602, 5.2824, 49.8027



1.3221, 0.5755, 4.8547

Inverse Universe

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



54.1903, 32.2902, 52.0902



50.5591, 27.2581, 44.0045



43.9432, 75.5254, 21.9350



18.4718, 18.1720, 21.1017



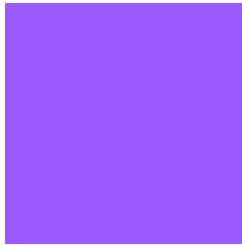
24.6957, 12.3676, 17.5797



2.4583, 1.2257, 1.9949

Previews

White Background



This preview shows how the XYZ color 35.2237, 21.5009, 96.9013 looks on a white background.

Color Contrast Check

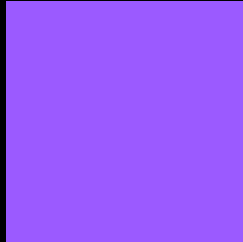
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2237, 21.5009, 96.9013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

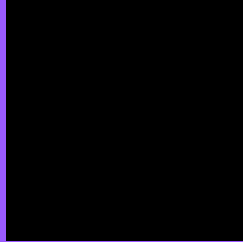
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.2237, 21.5009, 96.9013

Background



This preview shows how black text looks on a background with the XYZ color 35.2237, 21.5009, 96.9013.

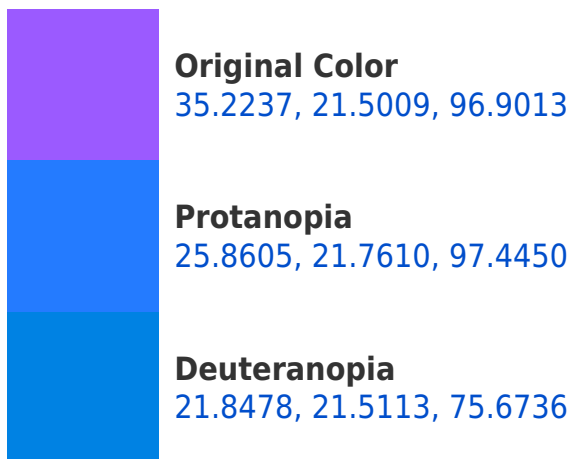


This preview shows how white text looks on a background with the XYZ color 35.2237, 21.5009,

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

20.9580, 21.3664, 26.3121

Trichromacy



Original Color

35.2237, 21.5009, 96.9013



Protanomaly

26.9589, 20.2511, 97.0957



Deuteranomaly

23.0477, 19.2166, 82.6152



Tritanomaly

24.5230, 20.4682, 45.3061

Monochromacy



Original Color

35.2237, 21.5009, 96.9013



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

24.1385, 20.4939, 42.7279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2237, 21.5009, 96.9013 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(155, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 90, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.2237, 21.5009, 96.9013 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(155, 90, 255) }
```


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

```
.border{ border-color:rgb(155, 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(155, 90, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 90,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2237, 21.5009, 96.9013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 90, 255) }
```

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

```
.background{ background-color: rgb(155, 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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