

Converting Colors

XYZ(35.7161, 21.0341, 96.7853)

Have a look what the booklet for
XYZ(35.7161, 21.0341, 96.7853)
contains.

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Color

**XYZ(35.7175, 21.0342,
96.7852)**

Conversions

Conversions Part 1

Format	Color
Hex	A054FF
RGB	160, 84, 255
RGB Percent	63%, 33%, 100%
CMY	0.3725, 0.6706, 0.0000
CMYK	0.37, 0.67, 0.00, 0.00
HSL	267°, 100%, 66%
HSV	267°, 67%, 100%
XYZ	35.7175, 21.0342, 96.7852
YIQ	126.2180, -9.5950, 69.2930

Conversions

Conversions Part 2

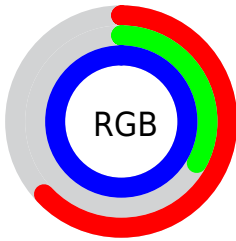
Format	Color
R _Y B	160, 84, 255
Decimal	10507519
CIE _{Lab}	52.99, 63.46, -73.36
CIE _{LCh}	53, 96.995, 310.861
Y _{xy}	21.0342, 0.2326, 0.1370
Android (android.graphics.Color)	4288697599 (0xFFA054FF)
YUV	126.2180, 63.4895, 29.6268
Hunter-Lab	45.8631, 58.7529, -93.0161

Details

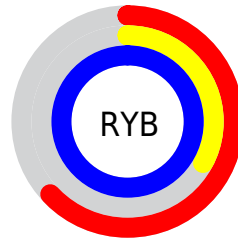
The XYZ color **35.7175, 21.0342, 96.7852** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **55.9501, 81.7435, 21.2170**, and the grayscale version is **19.6993, 20.7252, 22.5698**.

A 20% lighter version of the original color is **56.6537, 40.6126, 99.4608**, and **15.7255, 7.5244, 53.4469** is the 20% darker color. If you saturate the color by 10%, you get **31.4137, 16.3931, 96.1162**, and if you desaturate by 10%, it is **41.0658, 27.2828, 97.7094**.

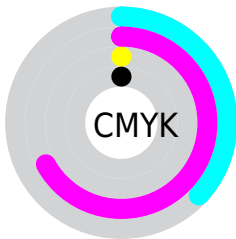
Distribution



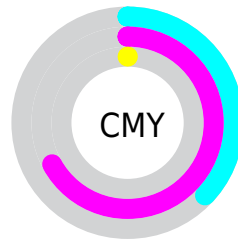
- Red (63%)
- Green (33%)
- Blue (100%)



- Red (63%)
- Yellow (33%)
- Blue (100%)



- Cyan (37%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7175, 21.0342, 96.7852 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 35.7175, 21.0342, 96.7852 by changing the saturation by 10% instead.

 35.7175, 21.0342,
96.7852


 35.7175, 21.0342,
96.7852


319.1769,
257.4602, 570.9941

 24.3852, 13.1490,
73.0166


 67.9225, 45.1444,
158.7454


 15.7459, 7.5312,
53.4976


 89.5260, 62.1383,
197.7740

 9.4342, 3.7965,
37.8097


 115.2838, 82.9371,
242.7265

 5.0848, 1.5604,
25.5344

 145.5615,
107.9254, 294.0212

 2.3324, 0.3307,
16.2530

 180.7243,
137.4874, 352.0768

 0.8112, 0.0000,
9.5471

221.1375,

 0.0000, 0.0000,

172.0076, 417.3118

4.9980

267.1666,
211.8704, 490.1447

■ 0.0000, 0.0000,
2.1874

■ 0.0000, 0.0000,
0.6671

■ 35.7175, 21.0342,
96.7852

■ 35.7175, 21.0342,
96.7852

■ 31.4137, 16.3931,
96.1162

■ 41.0658, 27.2828,
97.7094

■ 28.0584, 13.1869,
95.6742

■ 47.5362, 35.2825,
98.9125

■ 25.5357, 11.1999,
95.4237

■ 55.2012, 45.1626,
100.4156

■ 24.9037, 10.7532,
95.3707

■ 64.1261, 57.0394,
102.2376

■ 74.3708, 71.0195,
104.3961

■ 85.9912, 87.2018,
106.9072

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.



23.9101, 21.0342, 133.7622



35.7175, 21.0342, 96.7852



44.7558, 21.0342, 46.6214

Triad

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



35.7175, 21.0342, 96.7852



27.1170, 21.0342, 0.0000



6.2766, 21.0342, 35.1660

Complementary

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



35.7175, 21.0342, 96.7852



55.9501, 81.7435, 21.2170

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.



6.6203, 21.0342, 9.0066



35.7175, 21.0342, 96.7852



16.5278, 21.0342, 0.0000

Square

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



35.7175, 21.0342, 96.7852



38.7389, 21.0342, 2.3249



9.7301, 21.0342, 1.2893



8.5462, 21.0342, 82.5936

Rectangle

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



35.7175, 21.0342, 96.7852



46.6280, 21.0342, 22.0707



9.7301, 21.0342, 1.2893



6.1171, 21.0342, 23.7553

Sweetspot

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



35.7185, 21.0349, 96.7853



71.2167, 66.6826, 103.7253



38.2099, 42.1122, 100.7223



14.6218, 13.4235, 22.0703



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.



35.7185, 21.0349, 96.7853



30.3327, 15.3093, 95.9640



58.3900, 32.7225, 97.8463



17.7694, 17.7728, 22.7439



13.1782, 5.7041, 49.8410



1.4064, 0.6189, 4.8586

Inverse Universe

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



52.5468, 30.8554, 45.8325



49.1545, 26.3199, 37.7676



42.1214, 74.6146, 20.5698



18.4318, 18.1560, 20.8912



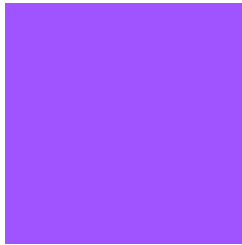
24.1631, 12.1545, 14.7754



2.4077, 1.2055, 1.7284

Previews

White Background



This preview shows how the XYZ color 35.7175, 21.0342, 96.7852 looks on a white background.

Color Contrast Check

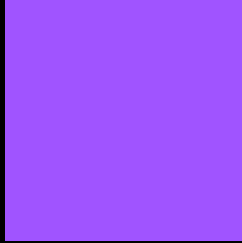
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7175, 21.0342, 96.7852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

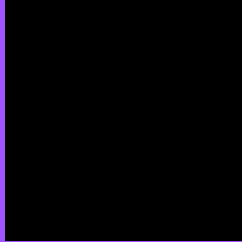
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.7175, 21.0342, 96.7852

Background



This preview shows how black text looks on a background with the XYZ color 35.7175, 21.0342, 96.7852.



This preview shows how white text looks on a background with the XYZ color 35.7175, 21.0342,

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

35.7175, 21.0342, 96.7852

Protanopia

25.4355, 21.3587, 97.3898

Deuteranopia

21.4409, 21.1368, 74.1839



Tritanopia

21.0793, 20.9002, 24.7529

Trichromacy



Original Color

35.7175, 21.0342, 96.7852



Protanomaly

26.3142, 19.4410, 96.9733



Deuteranomaly

22.7904, 18.7659, 81.7779



Tritanomaly

24.7321, 19.9512, 44.1424

Monochromacy



Original Color

35.7175, 21.0342, 96.7852



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

23.7085, 19.7893, 42.1053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7175, 21.0342, 96.7852 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(160, 84, 255)` looks like.

```
.text, #text, p{  
  color:rgb(160, 84, 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(160, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 84, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.7175, 21.0342, 96.7852 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(160, 84, 255) }
```


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

```
.border{ border-color:rgb(160, 84, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 84, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 84,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7175, 21.0342, 96.7852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 84, 255) }
```

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

```
.background{ background-color: rgb(160, 84,  
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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