

Converting Colors

XYZ(38.3155, 22.4820,
116.7096)

Have a look what the booklet for
XYZ(38.3155, 22.4820, 116.7096)
contains.

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Color

**XYZ(34.5713, 21.0402,
96.8468)**

Conversions

Conversions Part 1

Format	Color
Hex	9859FF
RGB	152, 89, 255
RGB Percent	60%, 35%, 100%
CMY	0.4039, 0.6510, 0.0000
CMYK	0.40, 0.65, 0.00, 0.00
HSL	263°, 100%, 67%
HSV	263°, 65%, 100%
XYZ	34.5713, 21.0402, 96.8468
YIQ	126.7610, -15.7380, 64.9820

Conversions

Conversions Part 2

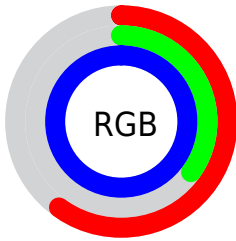
Format	Color
R _Y B	152, 89, 255
Decimal	9984511
CIE Lab	52.99, 59.53, -73.39
CIE LCh	53, 94.494, 309.047
Yxy	21.0402, 0.2268, 0.1380
Android (android.graphics.Color)	4288174591 (0xFF9859FF)
YUV	126.7610, 63.2218, 22.1346
Hunter-Lab	45.8696, 54.2613, -93.0733

Details

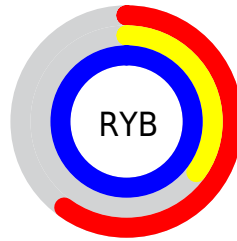
The XYZ color **34.5713, 21.0402, 96.8468** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **59.3007, 83.4474, 22.4330**, and the grayscale version is **19.8861, 20.9218, 22.7838**.

A 20% lighter version of the original color is **54.8744, 40.5631, 99.5450**, and **15.1226, 7.5683, 53.4871** is the 20% darker color. If you saturate the color by 10%, you get **30.0385, 16.0804, 96.1284**, and if you desaturate by 10%, it is **40.2355, 27.6739, 97.8287**.

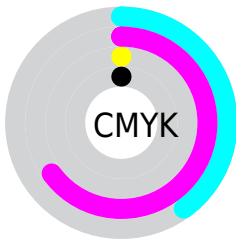
Distribution



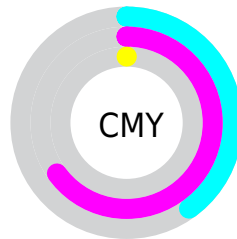
- Red (60%)
- Green (35%)
- Blue (100%)



- Red (60%)
- Yellow (35%)
- Blue (100%)



- Cyan (40%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5713, 21.0402, 96.8468 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 34.5713, 21.0402, 96.8468 by changing the saturation by 10% instead.

 34.5713, 21.0402,
96.8468


 34.5713, 21.0402,
96.8468


314.2133,
257.4921, 571.1952


 23.4978, 13.1534,
73.0677


 66.1595, 45.1544,
158.8310


 15.0842, 7.5343,
53.5391

 87.4049, 62.1506,
197.8732

 8.9652, 3.7984,
37.8427


 112.7717, 82.9521,
242.8402

 4.7754, 1.5614,
25.5597

 142.6252,
107.9432, 294.1504

 2.1495, 0.3314,
16.2717

177.3307,
137.5084, 352.2225

 0.7159, 0.0000,
9.5602

217.2537,

 0.0000, 0.0000,

172.0320, 417.4750

5.0066

262.7594,
211.8984, 490.3264

■ 0.0000, 0.0000,
2.1923

■ 0.0000, 0.0000,
0.6699

■ 34.5713, 21.0402,
96.8468

■ 34.5713, 21.0402,
96.8468

■ 30.0385, 16.0804,
96.1284

■ 40.2355, 27.6739,
97.8287

■ 26.5391, 12.6253,
95.6459

■ 47.1112, 36.1235,
99.0972

■ 23.9594, 10.4707,
95.3660

■ 55.2738, 46.5180,
100.6734

■ 22.9566, 9.7495,
95.2796

■ 64.7911, 58.9735,
102.5759

■ 75.7261, 73.5969,
104.8222

■ 88.1374, 90.4875,
107.4282

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.



23.1480, 21.0402, 130.1825



34.5713, 21.0402, 96.8468



43.6059, 21.0402, 48.5035

Triad

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



34.5713, 21.0402, 96.8468



27.6190, 21.0402, 0.2183



6.4617, 21.0402, 32.6112

Complementary

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



34.5713, 21.0402, 96.8468



59.3007, 83.4474, 22.4330

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.



6.9557, 21.0402, 8.4067



34.5713, 21.0402, 96.8468



17.1477, 21.0402, 0.0000

Square

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



34.5713, 21.0402, 96.8468



38.7570, 21.0402, 2.8564



10.2325, 21.0402, 1.2878



8.5461, 21.0402, 77.3840

Rectangle

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



34.5713, 21.0402, 96.8468



45.7555, 21.0402, 23.8291



10.2325, 21.0402, 1.2878



6.3519, 21.0402, 22.0132

Sweetspot

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



34.5723, 21.0408, 96.8469



70.1843, 66.1504, 103.6769



41.4916, 47.9871, 101.6833



14.3759, 13.2968, 22.0588



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.



34.5723, 21.0408, 96.8469



28.9208, 14.9306, 95.9653



55.1833, 31.6662, 97.8115



17.6546, 17.7137, 22.7385



12.1480, 5.1730, 49.7928



1.2997, 0.5639, 4.8536

Inverse Universe

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



54.3266, 32.2106, 53.2213



50.8473, 27.3734, 45.5221



44.1357, 75.6295, 21.7233



18.4833, 18.1766, 21.1620



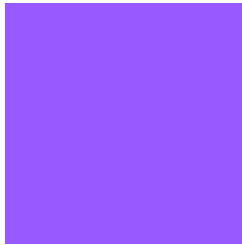
24.8584, 12.4326, 18.4364



2.4736, 1.2318, 2.0754

Previews

White Background



This preview shows how the XYZ color 34.5713, 21.0402, 96.8468 looks on a white background.

Color Contrast Check

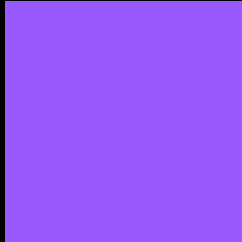
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5713, 21.0402, 96.8468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

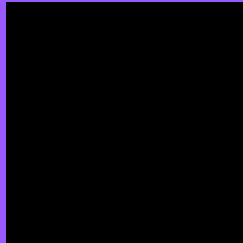
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5713, 21.0402, 96.8468

Background



This preview shows how black text looks on a background with the XYZ color 34.5713, 21.0402, 96.8468.



This preview shows how white text looks on a background with the XYZ color 34.5713, 21.0402,

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

34.5713, 21.0402, 96.8468

Protanopia

25.4615, 21.3721, 97.3910

Deuteranopia

21.4409, 21.1368, 74.1839



Tritanopia

20.1642, 20.7765, 25.8692

Trichromacy



Original Color

34.5713, 21.0402, 96.8468



Protanomaly

26.2984, 19.7496, 97.0337



Deuteranomaly

22.7332, 18.9030, 81.8074



Tritanomaly

23.9225, 19.9939, 45.2462

Monochromacy



Original Color

34.5713, 21.0402, 96.8468



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.6985, 20.1005, 42.6751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5713, 21.0402, 96.8468 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(152, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 89, 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(152, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 89, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.5713, 21.0402, 96.8468 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(152, 89, 255) }
```


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

```
.border{ border-color:rgb(152, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 89,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5713, 21.0402, 96.8468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 89, 255) }
```

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

```
.background{ background-color: rgb(152, 89,  
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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