

Converting Colors

XYZ(34.1997, 21.4610, 86.3453)

Have a look what the booklet for
XYZ(34.1997, 21.4610, 86.3453)
contains.

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Color

**XYZ(34.1522, 21.4360,
86.3419)**

Conversions

Conversions Part 1

Format	Color
Hex	9F5CF2
RGB	159, 92, 242
RGB Percent	62%, 36%, 95%
CMY	0.3765, 0.6392, 0.0510
CMYK	0.34, 0.62, 0.00, 0.05
HSL	267°, 85%, 65%
HSV	267°, 62%, 95%
XYZ	34.1522, 21.4360, 86.3419
YIQ	129.1330, -8.2180, 60.8540

Conversions

Conversions Part 2

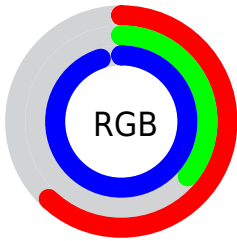
Format	Color
R _{YB}	159, 92, 242
Decimal	10444018
CIE Lab	53.42, 56.23, -65.42
CIE LCh	53, 86.265, 310.676
Yxy	21.4360, 0.2406, 0.1510
Android (android.graphics.Color)	4288634098 (0xFF9F5CF2)
YUV	129.1330, 55.6434, 26.1934
Hunter-Lab	46.2990, 50.6462, -78.1591

Details

The XYZ color **34.1522, 21.4360, 86.3419** 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 **51.3631, 73.3911, 21.5844**, and the grayscale version is **20.7270, 21.8064, 23.7472**.

A 20% lighter version of the original color is **57.0888, 42.3762, 99.7783**, and **14.8493, 7.7205, 46.6065** is the 20% darker color. If you saturate the color by 10%, you get **29.8677, 16.5968, 85.6341**, and if you desaturate by 10%, it is **39.3956, 27.7635, 87.2873**.

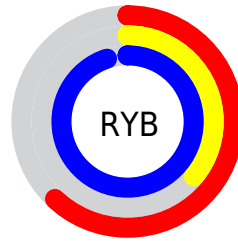
Distribution



Red (62%)

Green (36%)

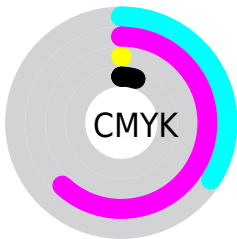
Blue (95%)



Red (62%)

Yellow (36%)

Blue (95%)

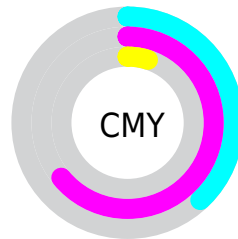


Cyan (34%)

Magenta (62%)

Yellow (0%)

Black (5%)



Cyan (38%)


Magenta (64%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1522, 21.4360, 86.3419 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 34.1522, 21.4360, 86.3419 by changing the saturation by 10% instead.

 34.1522, 21.4360,
86.3419


 34.1522, 21.4360,
86.3419


312.3842,
259.5866, 536.3179

 23.1740, 13.4431,
64.3942


 65.5130, 45.8120,
144.1373


 14.8434, 7.7344,
46.5218


 86.6263, 62.9639,
180.8220

 8.7952, 3.9254,
32.3062


 111.8487, 83.9376,
223.2562

 4.6639, 1.6319,
21.3287

 141.5455,
109.1175, 271.8584

 2.0841, 0.3790,
13.1709

176.0821,
138.8879, 327.0472

 0.6806, 0.0000,
7.4142

215.8238,

 0.0000, 0.0000,

173.6333, 389.2409

3.6401

261.1361,
213.7381, 458.8583

■ 0.0000, 0.0000,
1.4301

■ 0.0000, 0.0000,
0.1650

■ 34.1522, 21.4360,
86.3419

■ 34.1522, 21.4360,
86.3419

■ 29.8677, 16.5968,
85.6341

■ 39.3956, 27.7635,
87.2873

■ 26.4636, 13.1062,
85.1398

■ 45.6613, 35.6968,
88.4883

■ 23.8516, 10.8004,
84.8324

■ 53.0101, 45.3438,
89.9631

■ 22.2233, 9.6051,
84.6875

■ 61.4967, 56.8021,
91.7275

71.1719, 70.1619,
93.7962

82.0832, 85.5073,
96.1831

92.1990, 98.7639,
98.2087

93.0271, 99.1908,
98.2475

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.8161, 21.4360, 116.3425



34.1522, 21.4360, 86.3419



41.9357, 21.4360, 44.3376

Triad

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



34.1522, 21.4360, 86.3419



26.7788, 21.4360, 0.7484



7.5009, 21.4360, 33.9930

Complementary

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



34.1522, 21.4360, 86.3419



51.3631, 73.3911, 21.5844

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.



7.8597, 21.4360, 10.3073



34.1522, 21.4360, 86.3419



17.2811, 21.4360, 0.5130

Square

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



34.1522, 21.4360, 86.3419



36.8723, 21.4360, 3.4799



10.9123, 21.4360, 2.1757



9.7196, 21.4360, 74.1017

Rectangle

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



34.1522, 21.4360, 86.3419



43.5605, 21.4360, 22.7494



10.9123, 21.4360, 2.1757



7.3459, 21.4360, 23.9410

Sweetspot

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



34.1532, 21.4368, 86.3424



72.3097, 68.1533, 103.9515



36.1633, 40.1310, 89.8448



14.8376, 13.7108, 22.1144



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.



34.1532, 21.4368, 86.3424



32.7021, 17.6916, 96.2990



53.1333, 31.2214, 87.2307



15.5676, 15.5743, 19.9072



12.0905, 5.2383, 45.5017



1.1186, 0.4939, 3.7906

Inverse Universe

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



48.1832, 29.6271, 43.7359



50.5290, 28.1208, 41.1485



39.1638, 67.1022, 21.0135



16.1389, 15.9053, 18.2876



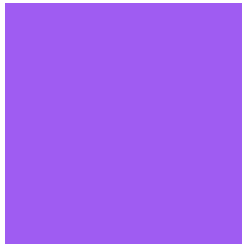
22.0494, 11.0922, 13.4427



1.8843, 0.9428, 1.3818

Previews

White Background



This preview shows how the XYZ color 34.1522, 21.4360, 86.3419 looks on a white background.

Color Contrast Check

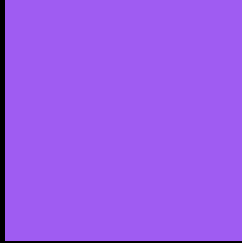
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.1522, 21.4360, 86.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

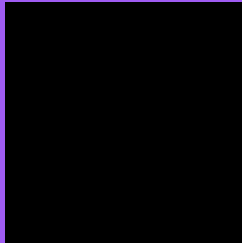
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.1522, 21.4360, 86.3419

Background



This preview shows how black text looks on a background with the XYZ color 34.1522, 21.4360, 86.3419.



This preview shows how white text looks on a background with the XYZ color 34.1522, 21.4360,

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

34.1522, 21.4360, 86.3419

Protanopia

25.8959, 21.7792, 97.4467

Deuteranopia

22.2656, 21.6784, 77.8737



Tritanopia

21.6331, 21.1777, 25.1378

Trichromacy



Original Color

34.1522, 21.4360, 86.3419



Protanomaly

26.4428, 20.2398, 92.9555



Deuteranomaly

22.8416, 19.3308, 80.3692



Tritanomaly

25.0141, 20.6252, 42.1978

Monochromacy



Original Color

34.1522, 21.4360, 86.3419



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

24.3163, 20.9685, 40.7959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1522, 21.4360, 86.3419 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(159, 92, 242)` looks like.

```
.text, #text, p{  
    color:rgb(159, 92, 242)  
}
```

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(159, 92, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 92, 242) }
```

Border

The CSS property to change the border of an element to XYZ 34.1522, 21.4360, 86.3419 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(159, 92, 242) }
```


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

```
.border{ border-color:rgb(159, 92, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 92, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 92, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 92, 242);  
box-shadow:4px 4px 4px 4px rgb(159, 92,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1522, 21.4360, 86.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 92, 242) }
```

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

```
.background{ background-color: rgb(159, 92,  
242) }
```

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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