

Converting Colors

XYZ(34.2713, 21.8628, 80.7086)

Have a look what the booklet for
XYZ(34.2713, 21.8628, 80.7086)
contains.

XYZ(34.3079, 21.8961, 81.0154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.3079, 21.8961,
81.0154)**

Conversions

Conversions Part 1

Format	Color
Hex	A45EEB
RGB	164, 94, 235
RGB Percent	64%, 37%, 92%
CMY	0.3569, 0.6314, 0.0784
CMYK	0.30, 0.60, 0.00, 0.08
HSL	270°, 78%, 65%
HSV	270°, 60%, 92%
XYZ	34.3079, 21.8961, 81.0154
YIQ	131.0040, -3.5410, 58.6910

Conversions

Conversions Part 2

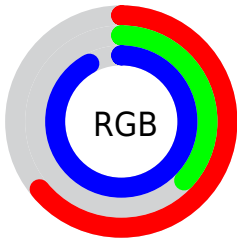
Format	Color
R_{YB}	164, 94, 235
Decimal	10772203
CIE _{Lab}	53.92, 54.64, -60.69
CIE _{LCh}	54, 81.659, 311.999
Yxy	21.8961, 0.2500, 0.1596
Android (android.graphics.Color)	4288962283 (0xFFA45EEB)
YUV	131.0040, 51.2700, 28.9375
Hunter-Lab	46.7933, 48.9845, -69.8963

Details

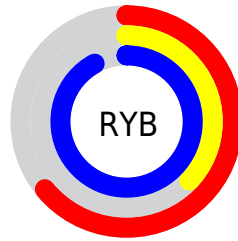
The XYZ color **34.3079, 21.8961, 81.0154** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **47.2461, 68.2245, 21.2688**, and the grayscale version is **21.3995, 22.5139, 24.5177**.

A 20% lighter version of the original color is **58.6079, 43.6170, 99.9377**, and **14.8922, 7.9260, 42.8644** is the 20% darker color. If you saturate the color by 10%, you get **30.1979, 17.1335, 80.3132**, and if you desaturate by 10%, it is **39.2829, 28.0493, 81.9413**.

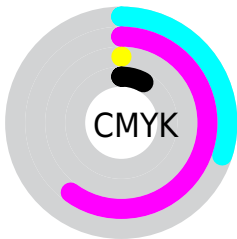
Distribution



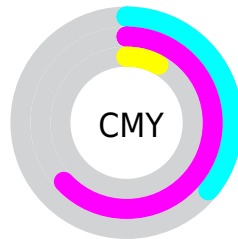
- Red (64%)
- Green (37%)
- Blue (92%)



- Red (64%)
- Yellow (37%)
- Blue (92%)



- Cyan (30%)
- Magenta (60%)
- Yellow (0%)
- Black (8%)





- Cyan (36%)
- Magenta (63%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3079, 21.8961, 81.0154 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 34.3079, 21.8961, 81.0154 by changing the saturation by 10% instead.


 34.3079, 21.8961,
81.0154


 34.3079, 21.8961,
81.0154


313.0646,
262.0032, 518.1450


 23.2942, 13.7806,
60.0232


 65.7533, 46.5742,
136.6167


 14.9328, 7.9682,
43.0119


 86.9158, 63.9056,
172.0628

 8.8583, 4.0746,
29.5630


 112.1919, 85.0777,
213.1640

 4.7052, 1.7154,
19.2579

 141.9470,
110.4750, 260.3388

 2.1083, 0.4336,
11.6781

176.5465,
140.4817, 314.0058

 0.6937, 0.0000,
6.4050

216.3557,

 0.0000, 0.0000,

175.4824, 374.5834

3.0201

261.7399,
215.8615, 442.4903

■ 0.0000, 0.0000,
1.1049

■ 0.0000, 0.0000,
0.0000

■ 34.3079, 21.8961,
81.0154

■ 34.3079, 21.8961,
81.0154

■ 30.1979, 17.1335,
80.3132

■ 39.2829, 28.0493,
81.9413

■ 26.8841, 13.6362,
79.8128

■ 45.1784, 35.6982,
83.1069

■ 24.2900, 11.2595,
79.4907

■ 52.0478, 44.9404,
84.5288

■ 22.2874, 9.7574,
79.3064

■ 59.9395, 55.8644,
86.2214

■ 22.2872, 9.7572,
79.3063

■ 68.8983, 68.5518,
88.1982

■ 78.9662, 83.0791,
90.4716

■ 89.0551, 97.2624,
92.6775

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



24.5306, 21.8961, 109.5714



34.3079, 21.8961, 81.0154



41.4035, 21.8961, 42.1669

Triad

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



34.3079, 21.8961, 81.0154



26.4896, 21.8961, 1.0734



8.2621, 21.8961, 35.3991

Complementary

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



34.3079, 21.8961, 81.0154



47.2461, 68.2245, 21.2688

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.



8.5122, 21.8961, 11.7841



34.3079, 21.8961, 81.0154



17.4889, 21.8961, 0.9148

Square

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



34.3079, 21.8961, 81.0154



36.0855, 21.8961, 3.8963



11.4200, 21.8961, 2.9194



10.6010, 21.8961, 73.1753

Rectangle

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



34.3079, 21.8961, 81.0154



42.7106, 21.8961, 22.1905



11.4200, 21.8961, 2.9194



8.0695, 21.8961, 25.5716

Sweetspot

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



34.3089, 21.8969, 81.0159



74.1173, 70.0070, 104.2140



33.4034, 35.9611, 83.7783



15.2265, 14.0903, 22.1671



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.



34.3089, 21.8969, 81.0159



35.3412, 19.5167, 96.5122



52.4887, 31.2690, 81.8667



14.9436, 14.9162, 19.0137



12.5509, 5.5061, 44.1442



1.0964, 0.4895, 3.4716

Inverse Universe

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



45.0556, 28.3848, 38.7016



50.2060, 28.4924, 37.9041



36.5901, 62.7311, 20.7701



15.3819, 15.1806, 17.2963



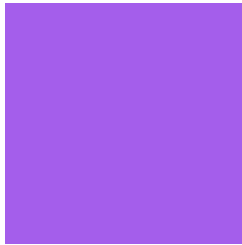
20.9633, 10.5880, 10.8738



1.6947, 0.8508, 1.1097

Previews

White Background



This preview shows how the XYZ color 34.3079, 21.8961, 81.0154 looks on a white background.

Color Contrast Check

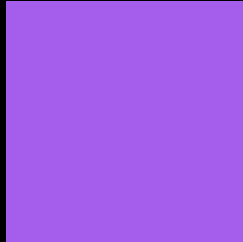
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.3079, 21.8961, 81.0154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

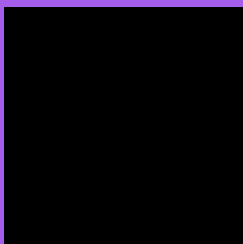
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.3079, 21.8961, 81.0154

Background



This preview shows how black text looks on a background with the XYZ color 34.3079, 21.8961, 81.0154.



This preview shows how white text looks on a background with the XYZ color 34.3079, 21.8961,

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

34.3079, 21.8961, 81.0154

Protanopia

26.4658, 22.4451, 97.5452

Deuteranopia

22.9363, 22.2709, 75.7629



Tritanopia

22.9249, 21.8516, 24.8393

Trichromacy



Original Color

34.3079, 21.8961, 81.0154



Protanomaly

26.9851, 20.8866, 91.4162



Deuteranomaly

24.5991, 20.6485, 77.5520



Tritanomaly

25.9045, 21.1283, 40.2490

Monochromacy



Original Color

34.3079, 21.8961, 81.0154



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.9676, 21.6611, 40.4012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3079, 21.8961, 81.0154 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(164, 94, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 94, 235)  
}
```

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(164, 94, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 94, 235) }
```

Border

The CSS property to change the border of an element to XYZ 34.3079, 21.8961, 81.0154 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(164, 94, 235) }
```


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

```
.border{ border-color:rgb(164, 94, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 94, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 94, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 94, 235); box-shadow:4px 4px 4px 4px rgb(164, 94, 235) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3079, 21.8961, 81.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 94, 235) }
```

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

```
.background{ background-color: rgb(164, 94,  
235) }
```

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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