

Converting Colors

XYZ(46.3939, 36.1681, 99.1437)

Have a look what the booklet for
XYZ(46.3939, 36.1681, 99.1437)
contains.

XYZ(46.3134, 36.1497, 99.1444)	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(46.3134, 36.1497,
99.1444)**

Conversions

Conversions Part 1

Format	Color
Hex	B38EFF
RGB	179, 142, 255
RGB Percent	70%, 56%, 100%
CMY	0.2980, 0.4431, 0.0000
CMYK	0.30, 0.44, 0.00, 0.00
HSL	260°, 100%, 78%
HSV	260°, 44%, 100%
XYZ	46.3134, 36.1497, 99.1444
YIQ	165.9450, -14.2210, 42.9870

Conversions

Conversions Part 2

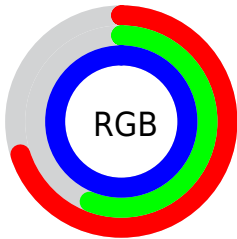
Format	Color
R_{YB}	179, 142, 255
Decimal	11767551
CIE _{Lab}	66.63, 37.27, -51.38
CIE _{LCh}	67, 63.473, 305.959
Yxy	36.1497, 0.2550, 0.1991
Android (android.graphics.Color)	4289957631 (0xFFB38EFF)
YUV	165.9450, 43.9041, 11.4492
Hunter-Lab	60.1246, 32.2787, -55.6809

Details

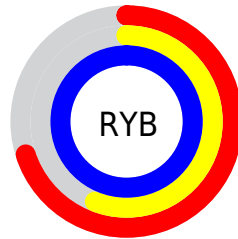
The XYZ color **46.3134, 36.1497, 99.1444** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **69.5560, 88.3785, 38.9851**, and the grayscale version is **36.0197, 37.8955, 41.2682**.

A 20% lighter version of the original color is **72.7150, 64.7044, 103.2644**, and **22.1025, 15.7703, 55.3051** is the 20% darker color. If you saturate the color by 10%, you get **39.2240, 27.4931, 97.8471**, and if you desaturate by 10%, it is **54.7660, 46.7985, 100.7543**.

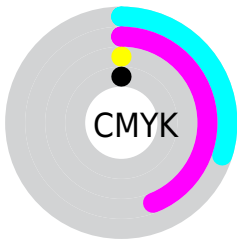
Distribution



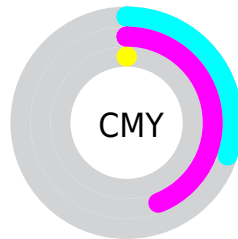
- Red (70%)
- Green (56%)
- Blue (100%)



- Red (70%)
- Yellow (56%)
- Blue (100%)



- Cyan (30%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3134, 36.1497, 99.1444 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 46.3134, 36.1497, 99.1444 by changing the saturation by 10% instead.

46.3134, 36.1497,
99.1444

46.3134, 36.1497,
99.1444

362.7620,
329.6144, 578.6693

32.6989, 24.5498,
74.9733

83.9128, 69.2631,
162.0225

22.0540, 15.7420,
55.0894

108.6284, 91.5453,
201.5666

14.0134, 9.3418,
39.0742

137.7751,
118.1572, 247.0720

8.2118, 4.9648,
26.5092

171.7182,
149.4831, 298.9574

4.2837, 2.2266,
16.9758

210.8231,
185.9074, 357.6413

1.8638, 0.7344,
10.0555

255.4552,

0.5557, 0.0000,

227.8144, 423.5422

5.3297

305.9797,
275.5886, 497.0787

■ 0.0000, 0.0000,
2.3799

■ 0.0000, 0.0000,
0.7754

■ 46.3134, 36.1497,
99.1444

■ 46.3134, 36.1497,
99.1444

■ 39.2240, 27.4931,
97.8471

■ 54.7660, 46.7985,
100.7543

■ 33.4162, 20.6955,
96.8411

■ 64.6494, 59.5529,
102.6952

■ 28.8043, 15.6132,
96.1032

■ 76.0310, 74.5223,
104.9847

■ 25.2895, 12.0787,
95.6063

■ 88.9727, 91.8073,
107.6390

■ 22.7537, 9.8881,
95.3171

95.0500, 100.0000,
108.9000

■ 21.6614, 9.0818,
95.2190

Harmonies

Analogous

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



36.3016, 36.1497, 118.2919



46.3134, 36.1497, 99.1444



54.0127, 36.1497, 64.9178

Triad

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



46.3134, 36.1497, 99.1444



42.3990, 36.1497, 8.2136



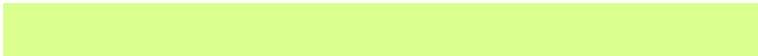
19.1365, 36.1497, 45.0785

Complementary

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



46.3134, 36.1497, 99.1444



69.5560, 88.3785, 38.9851

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.



20.1659, 36.1497, 21.5836



46.3134, 36.1497, 99.1444



32.4874, 36.1497, 6.7982

Square

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



46.3134, 36.1497, 99.1444



51.4755, 36.1497, 15.8466



24.6624, 36.1497, 10.2886



21.5323, 36.1497, 79.0374

Rectangle

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



46.3134, 36.1497, 99.1444



56.1324, 36.1497, 43.1861



24.6624, 36.1497, 10.2886



19.1002, 36.1497, 35.7685

Sweetspot

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



46.3146, 36.1510, 99.1445



77.6394, 76.6569, 105.3120



54.5942, 63.7477, 104.0349



16.0424, 15.6443, 22.4241



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.



46.3146, 36.1510, 99.1445



40.0798, 28.5205, 98.0003



61.7484, 44.1074, 99.8668



17.5632, 17.6665, 22.7343



11.4575, 4.8170, 49.7605



1.2249, 0.5254, 4.8501

Inverse Universe

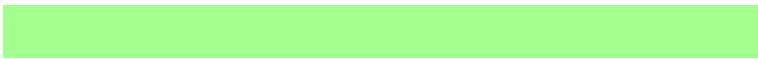
The Inverse Universe completely reimagines the original color for something new.



63.5683, 45.6688, 71.7940



59.6645, 39.3473, 65.9111



55.6895, 81.2300, 38.3362



18.5249, 18.1933, 21.3810



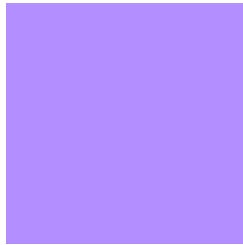
25.4864, 12.6839, 21.7437



2.5319, 1.2551, 2.3823

Previews

White Background



This preview shows how the XYZ color 46.3134, 36.1497, 99.1444 looks on a white background.

Color Contrast Check

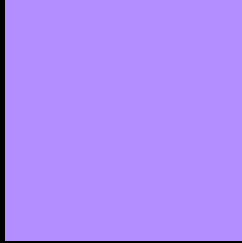
Large Text (above 18pt) WCAG AA × Fail

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 46.3134, 36.1497, 99.1444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

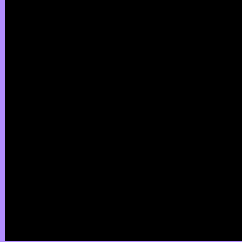
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3134, 36.1497, 99.1444

Background



This preview shows how black text looks on a background with the XYZ color 46.3134, 36.1497, 99.1444.



This preview shows how white text looks on a background with the XYZ color 46.3134, 36.1497,

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

46.3134, 36.1497, 99.1444

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.5354, 36.5187, 96.3373



Tritanopia

35.2179, 35.9453, 44.6171

Trichromacy



Original Color

46.3134, 36.1497, 99.1444

Protanomaly

41.1183, 36.0222, 99.3936

Deuteranomaly

39.9395, 35.9599, 96.9314

Tritanomaly

38.5329, 35.5293, 61.3268

Monochromacy



Original Color

46.3134, 36.1497, 99.1444

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.0446, 36.8491, 58.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3134, 36.1497, 99.1444 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(179, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 142, 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(179, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 142, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3134, 36.1497, 99.1444 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(179, 142, 255) }
```


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

```
.border{ border-color:rgb(179, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 142,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3134, 36.1497, 99.1444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 142, 255) }
```

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

```
.background{ background-color: rgb(179,  
142, 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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