

Converting Colors

XYZ(57.3042, 42.8232,
158.8732)

Have a look what the booklet for
XYZ(57.3042, 42.8232, 158.8732)
contains.

XYZ(46.0728, 38.3344, 99.5787)	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(46.0728, 38.3344,
99.5787)**

Conversions

Conversions Part 1

Format	Color
Hex	AB98FF
RGB	171, 152, 255
RGB Percent	67%, 60%, 100%
CMY	0.3294, 0.4039, 0.0000
CMYK	0.33, 0.40, 0.00, 0.00
HSL	251°, 100%, 80%
HSV	251°, 40%, 100%
XYZ	46.0728, 38.3344, 99.5787
YIQ	169.4230, -21.7390, 36.0610

Conversions

Conversions Part 2

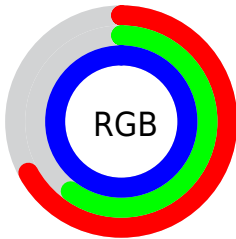
Format	Color
R_{YB}	171, 152, 255
Decimal	11245823
CIE _{Lab}	68.27, 29.55, -48.85
CIE _{LCh}	68, 57.090, 301.175
Yxy	38.3344, 0.2504, 0.2084
Android (android.graphics.Color)	4289435903 (0xFFAB98FF)
YUV	169.4230, 42.1895, 1.3830
Hunter-Lab	61.9148, 24.4768, -52.0169

Details

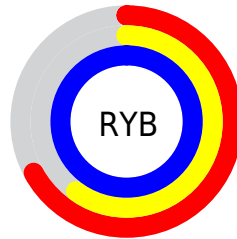
The XYZ color **46.0728, 38.3344, 99.5787** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.0196, 91.6199, 43.3848**, and the grayscale version is **37.7278, 39.6926, 43.2253**.

A 20% lighter version of the original color is **72.4344, 68.0206, 103.9193**, and **21.9170, 17.0294, 55.5579** is the 20% darker color. If you saturate the color by 10%, you get **38.1913, 28.7744, 98.1489**, and if you desaturate by 10%, it is **55.5592, 50.0437, 101.3389**.

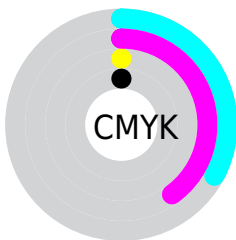
Distribution



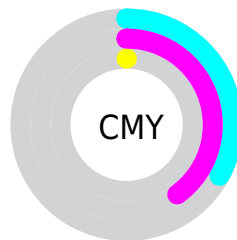
- Red (67%)
- Green (60%)
- Blue (100%)



- Red (67%)
- Yellow (60%)
- Blue (100%)



- Cyan (33%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0728, 38.3344, 99.5787 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 46.0728, 38.3344, 99.5787 by changing the saturation by 10% instead.


 46.0728, 38.3344,
99.5787


 46.0728, 38.3344,
99.5787


361.8123,
339.0523, 580.0762

 32.5081, 26.2423,
75.3338


 83.5551, 72.6204,
162.6249

 21.9073, 17.0050,
55.3830


 108.2035, 95.5831,
202.2633

 13.9051, 10.2381,
39.3078


137.2772,
122.9382, 247.8700

 8.1359, 5.5571,
26.6896

171.1415,
155.0699, 299.8635

 4.2346, 2.5777,
17.1099

210.1618,
192.3629, 358.6623

 1.8357, 0.9155,
10.1501

254.7035,

 0.5390, 0.0000,

235.2013, 424.6850

5.3917

305.1319,
283.9696, 498.3502

■ 0.0000, 0.0000,
2.4161

■ 0.0000, 0.0000,
0.7952

■ 46.0728, 38.3344,
99.5787

■ 46.0728, 38.3344,
99.5787

■ 38.1913, 28.7744,
98.1489

■ 55.5592, 50.0437,
101.3389

■ 31.8199, 21.2274,
97.0279

■ 66.7300, 64.0190,
103.4476

■ 26.8599, 15.5476,
96.1931

■ 79.6641, 80.3735,
105.9226

■ 23.1982, 11.5674,
95.6178

■ 94.4343, 99.2117,
108.7803

■ 20.7035, 9.0884,
95.2708

95.0500, 100.0000,
108.9000

■ 19.2242, 7.8253,
95.1050

Harmonies

Analogous

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



36.7892, 38.3344, 112.7920



46.0728, 38.3344, 99.5787



53.6558, 38.3344, 70.2411

Triad

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



46.0728, 38.3344, 99.5787



45.3627, 38.3344, 11.7689



21.8164, 38.3344, 42.7570

Complementary

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



46.0728, 38.3344, 99.5787



76.0196, 91.6199, 43.3848

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.



23.3612, 38.3344, 22.2271



46.0728, 38.3344, 99.5787



36.0844, 38.3344, 9.3411

Square

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



46.0728, 38.3344, 99.5787



53.2009, 38.3344, 21.0983



28.2459, 38.3344, 12.2083



23.6242, 38.3344, 72.7434

Rectangle

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



46.0728, 38.3344, 99.5787



56.1867, 38.3344, 49.7525



28.2459, 38.3344, 12.2083



21.9586, 38.3344, 34.6369

Sweetspot

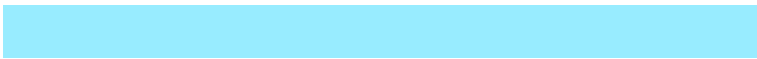
The Sweet Spot groups the original color and five complimentary colors.



46.0741, 38.3358, 99.5789



77.4609, 77.5770, 105.4990



61.0287, 73.9541, 105.6658



16.2044, 16.1288, 22.5091



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.



46.0741, 38.3358, 99.5789



39.9350, 30.8721, 98.4619



59.5208, 45.2678, 100.2082



17.3155, 17.5389, 22.7227



10.1342, 4.1349, 49.6986



1.0666, 0.4438, 4.8427

Inverse Universe

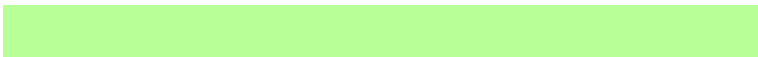
The Inverse Universe completely reimagines the original color for something new.



67.6090, 49.7736, 85.4003



64.1981, 43.7758, 81.7231



61.3435, 84.0540, 42.6980



18.6404, 18.2395, 21.9897



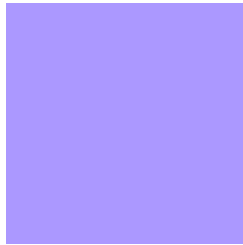
27.5469, 13.5080, 32.5940



2.7177, 1.3295, 3.3610

Previews

White Background



This preview shows how the XYZ color 46.0728, 38.3344, 99.5787 looks on a white background.

Color Contrast Check

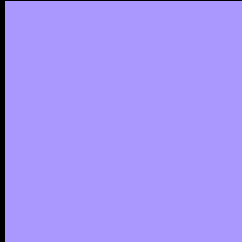
Large Text (above 18pt) WCAG AA × Fail

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 46.0728, 38.3344, 99.5787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

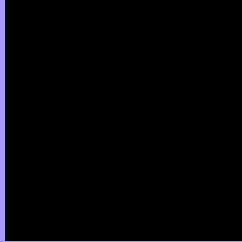
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0728, 38.3344, 99.5787

Background



This preview shows how black text looks on a background with the XYZ color 46.0728, 38.3344, 99.5787.



This preview shows how white text looks on a background with the XYZ color 46.0728, 38.3344,

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

46.0728, 38.3344, 99.5787

Protanopia

40.8201, 38.4009, 99.8684

Deuteranopia

39.6644, 38.6607, 97.4672



Tritanopia

35.8607, 38.3100, 49.2206

Trichromacy



Original Color

46.0728, 38.3344, 99.5787

Protanomaly

42.4808, 38.2193, 99.7458

Deuteranomaly

41.6298, 38.3324, 98.1333

Tritanomaly

39.0034, 37.9718, 64.9481

Monochromacy



Original Color

46.0728, 38.3344, 99.5787

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.1001, 38.9106, 60.0406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0728, 38.3344, 99.5787 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(171, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 152, 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(171, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.0728, 38.3344, 99.5787 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(171, 152, 255) }
```


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

```
.border{ border-color:rgb(171, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0728, 38.3344, 99.5787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 152, 255) }
```

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

```
.background{ background-color: rgb(171,  
152, 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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