

Converting Colors

XYZ(46.6742, 43.9935,
100.1629)

Have a look what the booklet for
XYZ(46.6742, 43.9935, 100.1629)
contains.

XYZ(46.5465, 43.8289, 99.7725)	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(46.5465, 43.8289,
99.7725)**

Conversions

Conversions Part 1

Format	Color
Hex	9DACFE
RGB	157, 172, 254
RGB Percent	62%, 67%, 100%
CMY	0.3843, 0.3255, 0.0039
CMYK	0.38, 0.32, 0.00, 0.00
HSL	231°, 98%, 81%
HSV	231°, 38%, 100%
XYZ	46.5465, 43.8289, 99.7725
YIQ	176.8630, -35.2620, 22.3220

Conversions

Conversions Part 2

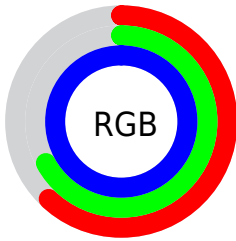
Format	Color
R _Y B	157, 170, 254
Decimal	10333438
CIE Lab	72.11, 14.31, -42.34
CIE LCh	72, 44.691, 288.675
Yxy	43.8289, 0.2448, 0.2305
Android (android.graphics.Color)	4288523518 (0xFF9DACFE)
YUV	176.8630, 38.0285, -17.4199
Hunter-Lab	66.2034, 9.6444, -43.0112

Details

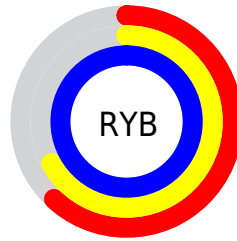
The XYZ color **46.5465, 43.8289, 99.7725** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.8266, 85.2396, 44.2510**, and the grayscale version is **41.5395, 43.7028, 47.5923**.

A 20% lighter version of the original color is **73.2506, 76.4543, 105.5042**, and **22.1613, 20.2309, 55.5602** is the 20% darker color. If you saturate the color by 10%, you get **38.3347, 34.0119, 98.3113**, and if you desaturate by 10%, it is **56.4518, 55.5007, 101.5041**.

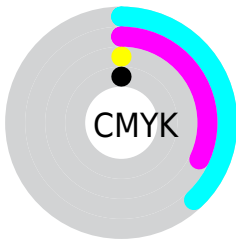
Distribution



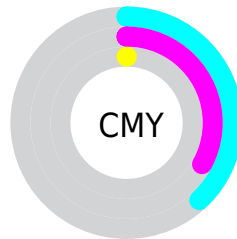
- Red (62%)
- Green (67%)
- Blue (100%)



- Red (62%)
- Yellow (67%)
- Blue (100%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5465, 43.8289, 99.7725 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 46.5465, 43.8289, 99.7725 by changing the saturation by 10% instead.

■ 46.5465, 43.8289,
99.7725

■ 46.5465, 43.8289,
99.7725

363.6806,
362.0096, 580.7035

■ 32.8837, 30.5360,
75.4947

■ 84.2592, 80.9602,
162.8937

■ 22.1962, 20.2458,
55.5141

■ 109.0398,
105.5674, 202.5741

■ 14.1185, 12.5738,
39.4121

138.2570,
134.7149, 248.2259

■ 8.2854, 7.1358,
26.7702

172.2763,
168.7870, 300.2676

■ 4.3315, 3.5471,
17.1698

211.4629,
208.1681, 359.1176

■ 1.8913, 1.4236,
10.1924

256.1823,

■ 0.5718, 0.2340,

253.2427, 425.1946

5.4194

306.7998,
304.3950, 498.9170

■ 0.0000, 0.0000,
2.4324

■ 0.0000, 0.0000,
0.8040

■ 46.5465, 43.8289,
99.7725

■ 46.5465, 43.8289,
99.7725

■ 38.3347, 34.0119,
98.3113

■ 56.4518, 55.5007,
101.5041

■ 31.7156, 25.9484,
97.1037

■ 68.1341, 69.1116,
103.5156

■ 26.5851, 19.5345,
96.1361

■ 81.6771, 84.7470,
105.8197

■ 22.8242, 14.6532,
95.3921

94.8895, 99.9358,
108.0551

■ 20.2948, 11.1714,
94.8534

■ 18.8172, 8.9256,
94.4978

■ 18.6242, 8.6251,
94.4500

Harmonies

Analogous

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



38.8365, 43.8289, 102.0749



46.5465, 43.8289, 99.7725



53.7063, 43.8289, 81.2843

Triad

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



46.5465, 43.8289, 99.7725



52.1426, 43.8289, 22.5668



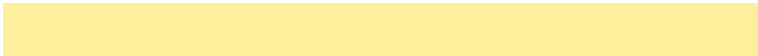
28.8384, 43.8289, 39.9205

Complementary

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



46.5465, 43.8289, 99.7725



77.8266, 85.2396, 44.2510

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.



31.5616, 43.8289, 24.9644



46.5465, 43.8289, 99.7725



44.6130, 43.8289, 17.1927

Square

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



46.5465, 43.8289, 99.7725



57.2001, 43.8289, 35.4670



37.1244, 43.8289, 17.9100



29.2220, 43.8289, 62.5180

Rectangle

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



46.5465, 43.8289, 99.7725



56.9133, 43.8289, 64.7346



37.1244, 43.8289, 17.9100



29.4060, 43.8289, 33.9867

Sweetspot

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



46.5481, 43.8305, 99.7735



78.3692, 80.8557, 106.0839



64.7559, 84.2161, 93.6041



16.3693, 16.8395, 22.6375



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.



46.5481, 43.8305, 99.7735



40.3431, 36.3205, 99.4920



51.0170, 42.1330, 99.2103



17.2297, 17.8311, 22.7836



9.8851, 4.6797, 49.8169



1.0253, 0.5813, 4.8714

Inverse Universe

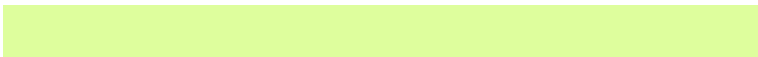
The Inverse Universe completely reimagines the original color for something new.



60.3777, 48.1650, 45.1458



56.2726, 41.7458, 36.4728



71.5511, 88.7960, 45.2683



18.1239, 18.0329, 19.2694



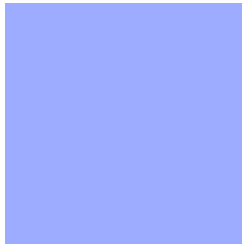
21.7777, 11.2004, 2.2140



2.1521, 1.1032, 0.3826

Previews

White Background



This preview shows how the XYZ color 46.5465, 43.8289, 99.7725 looks on a white background.

Color Contrast Check

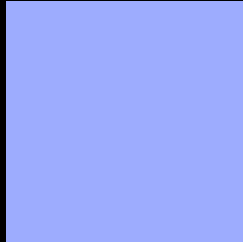
Large Text (above 18pt) WCAG AA × Fail

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 46.5465, 43.8289, 99.7725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

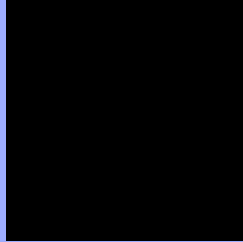
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5465, 43.8289, 99.7725

Background



This preview shows how black text looks on a background with the XYZ color 46.5465, 43.8289, 99.7725.



This preview shows how white text looks on a background with the XYZ color 46.5465, 43.8289,

99.7725.

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

46.5465, 43.8289, 99.7725

Protanopia

45.7637, 43.9761, 100.6840

Deuteranopia

45.0922, 43.9548, 99.0360



Tritanopia

38.4542, 43.7838, 59.8505

Trichromacy



Original Color

46.5465, 43.8289, 99.7725

Protanomaly

46.1304, 43.8794, 100.6460

Deuteranomaly

45.6282, 43.9433, 99.0055

Tritanomaly

40.9877, 43.5981, 72.5846

Monochromacy



Original Color

46.5465, 43.8289, 99.7725

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9270, 43.6138, 63.9134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5465, 43.8289, 99.7725 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(157, 172, 254)` looks like.

```
.text, #text, p{  
    color:rgb(157, 172, 254)  
}
```

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(157, 172, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 172, 254) }
```

Border

The CSS property to change the border of an element to XYZ 46.5465, 43.8289, 99.7725 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(157, 172, 254) }
```


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

```
.border{ border-color:rgb(157, 172, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 172, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 172, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 172, 254);  
box-shadow:4px 4px 4px 4px rgb(157, 172,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5465, 43.8289, 99.7725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 172, 254) }
```

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

```
.background{ background-color: rgb(157,  
172, 254) }
```

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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