

Converting Colors

XYZ(46.5017, 44.0843, 90.8522)

Have a look what the booklet for
XYZ(46.5017, 44.0843, 90.8522)
contains.

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Color

**XYZ(46.4472, 43.9754,
90.8341)**

Conversions

Conversions Part 1

Format	Color
Hex	A5ACF3
RGB	165, 172, 243
RGB Percent	65%, 67%, 95%
CMY	0.3529, 0.3255, 0.0471
CMYK	0.32, 0.29, 0.00, 0.05
HSL	235°, 76%, 80%
HSV	235°, 32%, 95%
XYZ	46.4472, 43.9754, 90.8341
YIQ	178.0010, -26.9630, 20.5970

Conversions

Conversions Part 2

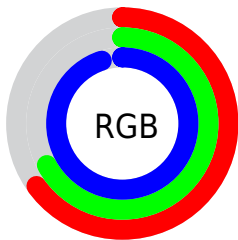
Format	Color
R_{YB}	165, 171, 243
Decimal	10857715
CIE _{Lab}	72.21, 13.61, -36.19
CIE _{LCh}	72, 38.659, 290.608
Yxy	43.9754, 0.2563, 0.2426
Android (android.graphics.Color)	4289047795 (0xFFA5ACF3)
YUV	178.0010, 32.0445, -11.4019
Hunter-Lab	66.3140, 8.9744, -34.7932

Details

The XYZ color **46.4472, 43.9754, 90.8341** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.7501, 81.7632, 47.4938**, and the grayscale version is **42.1648, 44.3606, 48.3087**.

A 20% lighter version of the original color is **75.6433, 77.6878, 105.6162**, and **22.2417, 20.4003, 49.7791** is the 20% darker color. If you saturate the color by 10%, you get **37.9998, 33.8835, 89.3322**, and if you desaturate by 10%, it is **56.5585, 55.9669, 92.6166**.

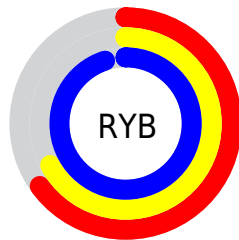
Distribution



Red (65%)

Green (67%)

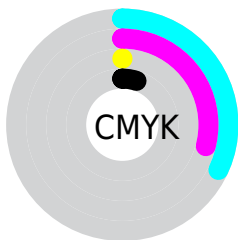
Blue (95%)



Red (65%)

Yellow (67%)

Blue (95%)

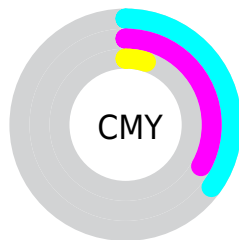


Cyan (32%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4472, 43.9754, 90.8341 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 46.4472, 43.9754, 90.8341 by changing the saturation by 10% instead.

■ 46.4472, 43.9754,
90.8341

■ 46.4472, 43.9754,
90.8341

363.2895,
362.6079, 551.3804

■ 32.8050, 30.6512,
68.0950

■ 84.1117, 81.1807,
150.4421

■ 22.1356, 20.3334,
49.5079

■ 108.8646,
105.8306, 188.1481

■ 14.0737, 12.6376,
34.6541

138.0518,
135.0245, 231.6802

■ 8.2540, 7.1795,
23.1151

172.0386,
169.1468, 281.4568

■ 4.3111, 3.5746,
14.4724

211.1905,
208.5819, 337.8967

■ 1.8796, 1.4386,
8.3075

255.8727,

■ 0.5649, 0.2449,

253.7142, 401.4182

4.2017

306.4506,
304.9280, 472.4399

■ 0.0000, 0.0000,
1.7367

■ 0.0000, 0.0000,
0.3857

■ 46.4472, 43.9754,
90.8341

■ 46.4472, 43.9754,
90.8341

■ 37.9998, 33.8835,
89.3322

■ 56.5585, 55.9669,
92.6166

■ 31.1225, 25.5888,
88.0936

■ 68.4117, 69.9434,
94.6896

■ 25.7193, 18.9869,
87.1041

■ 82.0852, 85.9912,
97.0664

■ 21.6816, 13.9603,
86.3467

■ 93.1778, 99.2511,
99.0412

■ 18.8858, 10.3767,
85.8023

■ 17.1853, 8.0816,
85.4489

■ 16.4611, 7.0376,
85.2856

Harmonies

Analogous

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



39.7511, 43.9754, 93.6941



46.4472, 43.9754, 90.8341



52.4447, 43.9754, 74.9923

Triad

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



46.4472, 43.9754, 90.8341



50.4215, 43.9754, 24.8440



30.4386, 43.9754, 42.1671

Complementary

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



46.4472, 43.9754, 90.8341



73.7501, 81.7632, 47.4938

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.



32.6983, 43.9754, 28.2469



46.4472, 43.9754, 90.8341



43.9125, 43.9754, 20.1372

Square

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



46.4472, 43.9754, 90.8341



54.9024, 43.9754, 36.1457



37.4686, 43.9754, 21.1919



30.9636, 43.9754, 61.9174

Rectangle

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



46.4472, 43.9754, 90.8341



55.0135, 43.9754, 61.0569



37.4686, 43.9754, 21.1919



30.8879, 43.9754, 36.7529

Sweetspot

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



46.4487, 43.9771, 90.8351



79.3200, 81.5546, 106.1687



62.5931, 78.1113, 90.5278



16.5403, 16.9418, 22.6483



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.



46.4487, 43.9771, 90.8351



45.0340, 40.9644, 100.1411



52.4512, 45.1455, 90.7443



15.7007, 16.1657, 20.8353



9.0748, 3.9434, 46.8209



0.8375, 0.4264, 4.1284

Inverse Universe

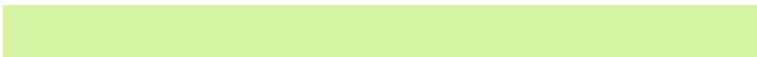
The Inverse Universe completely reimagines the original color for something new.



57.8649, 48.9450, 45.4289



59.7969, 47.5837, 41.3802



65.9370, 80.7862, 47.7170



16.5595, 16.5067, 17.4270



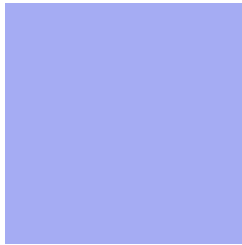
20.3851, 10.4975, 1.4701



1.8118, 0.9307, 0.2353

Previews

White Background



This preview shows how the XYZ color 46.4472, 43.9754, 90.8341 looks on a white background.

Color Contrast Check

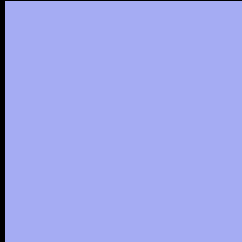
Large Text (above 18pt) WCAG AA × Fail

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 46.4472, 43.9754, 90.8341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

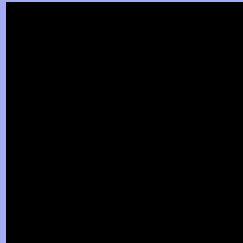
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4472, 43.9754, 90.8341

Background



This preview shows how black text looks on a background with the XYZ color 46.4472, 43.9754, 90.8341.



This preview shows how white text looks on a background with the XYZ color 46.4472, 43.9754,

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

46.4472, 43.9754, 90.8341

Protanopia

45.3278, 43.9326, 92.4770

Deuteranopia

45.0673, 44.1387, 90.1487



Tritanopia

40.0052, 44.0018, 58.6093

Trichromacy



Original Color

46.4472, 43.9754, 90.8341

Protanomaly

45.5708, 43.7897, 91.6384

Deuteranomaly

45.4611, 44.0538, 90.1116

Tritanomaly

42.2287, 44.0158, 69.2210

Monochromacy



Original Color

46.4472, 43.9754, 90.8341

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.4196, 44.1992, 62.1200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4472, 43.9754, 90.8341 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(165, 172, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 172, 243)  
}
```

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(165, 172, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 172, 243) }
```

Border

The CSS property to change the border of an element to XYZ 46.4472, 43.9754, 90.8341 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(165, 172, 243) }
```


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

```
.border{ border-color:rgb(165, 172, 243) }
```

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

Here you see how a box with a 4 pixel rgb(165, 172, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 172, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 172, 243);  
box-shadow:4px 4px 4px 4px rgb(165, 172,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4472, 43.9754, 90.8341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 172, 243) }
```

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

```
.background{ background-color: rgb(165,  
172, 243) }
```

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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