

Converting Colors

XYZ(45.7770, 43.6590, 96.0190)

Have a look what the booklet for
XYZ(45.7770, 43.6590, 96.0190)
contains.

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Color

**XYZ(45.7528, 43.7946,
95.6643)**

Conversions

Conversions Part 1

Format	Color
Hex	9CADF9
RGB	156, 173, 249
RGB Percent	61%, 68%, 98%
CMY	0.3882, 0.3216, 0.0235
CMYK	0.37, 0.31, 0.00, 0.02
HSL	229°, 89%, 79%
HSV	229°, 37%, 98%
XYZ	45.7528, 43.7946, 95.6643
YIQ	176.5810, -34.5280, 20.0320

Conversions

Conversions Part 2

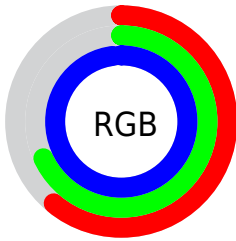
Format	Color
R _Y B	156, 170, 249
Decimal	10268153
CIE Lab	72.09, 12.16, -39.67
CIE LCh	72, 41.495, 287.035
Yxy	43.7946, 0.2470, 0.2365
Android (android.graphics.Color)	4288458233 (0xFF9CADF9)
YUV	176.5810, 35.7026, -18.0495
Hunter-Lab	66.1775, 7.5980, -39.3837

Details

The XYZ color **45.7528, 43.7946, 95.6643** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.9257, 80.2550, 43.0489**, and the grayscale version is **41.4036, 43.5598, 47.4366**.

A 20% lighter version of the original color is **73.2340, 76.8529, 105.5820**, and **21.7186, 20.2472, 52.6326** is the 20% darker color. If you saturate the color by 10%, you get **37.8100, 34.3427, 94.2593**, and if you desaturate by 10%, it is **55.2805, 54.9474, 97.3156**.

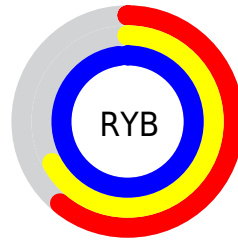
Distribution



Red (61%)

Green (68%)

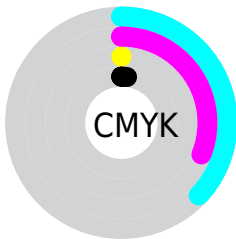
Blue (98%)



Red (61%)

Yellow (67%)

Blue (98%)

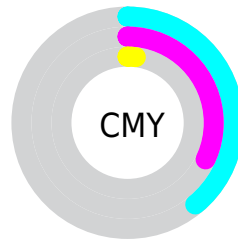


Cyan (37%)

Magenta (31%)

Yellow (0%)

Black (2%)



Cyan (39%)

Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7528, 43.7946, 95.6643 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 45.7528, 43.7946, 95.6643 by changing the saturation by 10% instead.

■ 45.7528, 43.7946,
95.6643

■ 45.7528, 43.7946,
95.6643

360.5465,
361.8694, 567.3281

■ 32.2546, 30.5091,
72.0881

■ 83.0791, 80.9086,
157.1855

■ 21.7125, 20.2253,
52.7433

■ 107.6378,
105.5058, 195.9676

■ 13.7612, 12.5589,
37.2116

136.6141,
134.6424, 240.6553

■ 8.0354, 7.1255,
25.0743

170.3734,
168.7027, 291.6672

■ 4.1696, 3.5407,
15.9129

209.2809,
208.0712, 349.4219

■ 1.7985, 1.4201,
9.3088

253.7020,

■ 0.5168, 0.2315,

253.1322, 414.3380

4.8436

304.0021,
304.2702, 486.8338

■ 0.0000, 0.0000,
2.0987

■ 0.0000, 0.0000,
0.6150

■ 45.7528, 43.7946,
95.6643

■ 45.7528, 43.7946,
95.6643

■ 37.8100, 34.3427,
94.2593

■ 55.2805, 54.9474,
97.3156

■ 31.3600, 26.5018,
93.0858

■ 66.4692, 67.8751,
99.2212

■ 26.3079, 20.1812,
92.1321

■ 79.3956, 82.6530,
101.3924

■ 22.5459, 15.2786,
91.3841

■ 93.9072, 99.2360,
103.8283

■ 19.9492, 11.6784,
90.8260

■ 94.0990, 99.6196,
103.8923

■ 18.3616, 9.2421,
90.4395

■ 18.0572, 8.7558,
90.3617

Harmonies

Analogous

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



38.6383, 43.7946, 96.8119



45.7528, 43.7946, 95.6643



52.4317, 43.7946, 79.5894

Triad

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



45.7528, 43.7946, 95.6643



51.6362, 43.7946, 24.4216



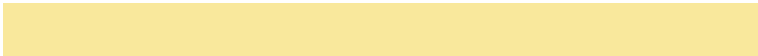
29.6926, 43.7946, 39.4431

Complementary

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



45.7528, 43.7946, 95.6643



73.9257, 80.2550, 43.0489

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.



32.4165, 43.7946, 25.6999



45.7528, 43.7946, 95.6643



44.7627, 43.7946, 18.8384

Square

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



45.7528, 43.7946, 95.6643



56.0842, 43.7946, 37.1269



37.7541, 43.7946, 19.2279



29.8934, 43.7946, 60.0757

Rectangle

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



45.7528, 43.7946, 95.6643



55.4973, 43.7946, 64.6168



37.7541, 43.7946, 19.2279



30.2822, 43.7946, 34.0038

Sweetspot

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



45.7543, 43.7963, 95.6653



78.5911, 81.2994, 106.1579



62.1458, 80.6438, 88.5983



16.4218, 16.9444, 22.6550



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.



45.7543, 43.7963, 95.6653



41.6916, 38.3856, 99.8195



49.1054, 40.9888, 94.9468



16.5396, 17.1561, 21.8250



9.7390, 4.8335, 48.3932



0.9695, 0.5827, 4.5046

Inverse Universe

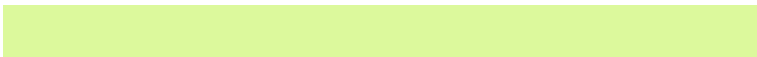
The Inverse Universe completely reimagines the original color for something new.



58.4996, 46.9356, 45.5129



57.1075, 42.6705, 39.0485



69.2569, 85.2983, 44.2685



17.3742, 17.2770, 18.5601



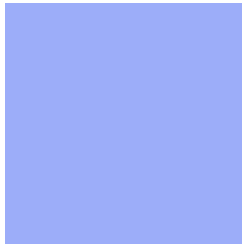
21.2078, 10.8988, 2.5367



1.9983, 1.0231, 0.4144

Previews

White Background



This preview shows how the XYZ color 45.7528, 43.7946, 95.6643 looks on a white background.

Color Contrast Check

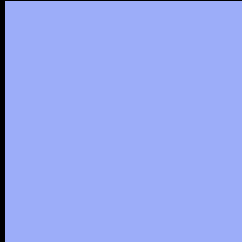
Large Text (above 18pt) WCAG AA × Fail

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 45.7528, 43.7946, 95.6643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

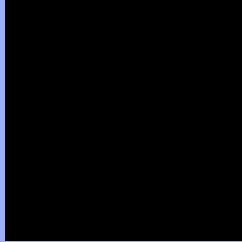
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7528, 43.7946, 95.6643

Background



This preview shows how black text looks on a background with the XYZ color 45.7528, 43.7946, 95.6643.



This preview shows how white text looks on a background with the XYZ color 45.7528, 43.7946,

95.6643.

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

45.7528, 43.7946, 95.6643

Protanopia

45.5282, 43.9465, 96.5254

Deuteranopia

45.1914, 44.0788, 95.7488



Tritanopia

38.6281, 43.8735, 59.8586

Trichromacy



Original Color

45.7528, 43.7946, 95.6643

Protanomaly

45.7178, 44.0443, 96.5343

Deuteranomaly

45.3718, 43.8840, 95.7016

Tritanomaly

40.8572, 43.5459, 71.8974

Monochromacy



Original Color

45.7528, 43.7946, 95.6643

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.6670, 43.7975, 62.7049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7528, 43.7946, 95.6643 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(156, 173, 249)` looks like.

```
.text, #text, p{  
    color:rgb(156, 173, 249)  
}
```

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(156, 173, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 173, 249) }
```

Border

The CSS property to change the border of an element to XYZ 45.7528, 43.7946, 95.6643 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(156, 173, 249) }
```


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

```
.border{ border-color:rgb(156, 173, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 173, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 173, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 173, 249);  
box-shadow:4px 4px 4px 4px rgb(156, 173,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7528, 43.7946, 95.6643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 173, 249) }
```

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

```
.background{ background-color: rgb(156,  
173, 249) }
```

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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