

Converting Colors

XYZ(46.7697, 25.5069, 97.0660)

Have a look what the booklet for
XYZ(46.7697, 25.5069, 97.0660)
contains.

XYZ(46.6619, 25.4100, 97.0530)	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(46.6619, 25.4100,
97.0530)**

Conversions

Conversions Part 1

Format	Color
Hex	D148FF
RGB	209, 72, 255
RGB Percent	82%, 28%, 100%
CMY	0.1804, 0.7176, 0.0000
CMYK	0.18, 0.72, 0.00, 0.00
HSL	285°, 100%, 64%
HSV	285°, 72%, 100%
XYZ	46.6619, 25.4100, 97.0530
YIQ	133.8250, 22.9090, 85.9570

Conversions

Conversions Part 2

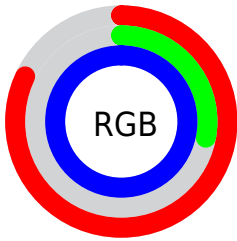
Format	Color
RYB	209, 72, 255
Decimal	13715711
CIELab	57.47, 77.74, -65.80
CIELCh	57, 101.852, 319.757
Yxy	25.4100, 0.2759, 0.1502
Android (android.graphics.Color)	4291905791 (0xFFD148FF)
YUV	133.8250, 59.7393, 65.9285
Hunter-Lab	50.4083, 77.0190, -78.8674

Details

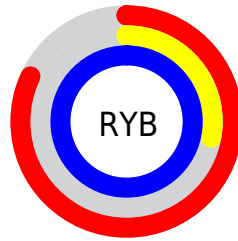
The XYZ color **46.6619, 25.4100, 97.0530** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **44.4012, 75.8396, 18.4299**, and the grayscale version is **22.3790, 23.5445, 25.6399**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **22.6557, 10.5152, 53.6589** is the 20% darker color. If you saturate the color by 10%, you get **43.5648, 21.8531, 96.5297**, and if you desaturate by 10%, it is **50.5170, 30.3724, 97.8077**.

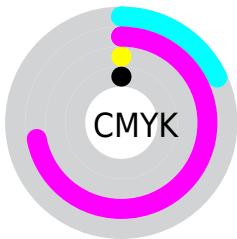
Distribution



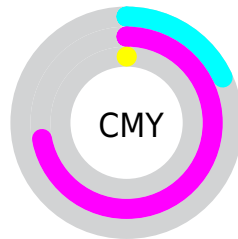
- Red (82%)
- Green (28%)
- Blue (100%)



- Red (82%)
- Yellow (28%)
- Blue (100%)



- Cyan (18%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6619, 25.4100, 97.0530 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 46.6619, 25.4100, 97.0530 by changing the saturation by 10% instead.

 46.6619, 25.4100,
97.0530


 46.6619, 25.4100,
97.0530


364.1348,
279.8737, 571.8681

 32.9753, 16.3828,
73.2386


 84.4305, 52.3216,
159.1178


 22.2667, 9.7954,
53.6780


 109.2433, 70.9747,
198.2052


 14.1707, 5.2635,
37.9529

 138.4954, 93.6053,
243.2207

 8.3220, 2.4027,
25.6446

 172.5523,
120.5978, 294.5828

 4.3552, 0.8273,
16.3346

 211.7794,
152.3364, 352.7100

 1.9050, 0.0000,
9.6043

256.5419,

 0.5797, 0.0000,

189.2057, 418.0210

5.0352

307.2053,
231.5900, 490.9342

■ 0.0000, 0.0000,
2.2089

■ 0.0000, 0.0000,
0.6795

■ 46.6619, 25.4100,
97.0530

■ 46.6619, 25.4100,
97.0530

■ 43.5648, 21.8531,
96.5297

■ 50.5170, 30.3724,
97.8077

■ 41.1310, 19.5169,
96.2070

■ 55.2032, 36.8884,
98.8184

■ 39.5118, 18.2840,
96.0544

■ 60.7876, 45.0902,
100.1072

■ 67.3294, 55.0948,
101.6935

74.8826, 67.0089,
103.5950

83.4966, 80.9306,
105.8282

93.2179, 96.9512,
108.4081

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



32.9155, 25.4100, 149.9890



46.6619, 25.4100, 97.0530



55.1051, 25.4100, 41.3125

Triad

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



46.6619, 25.4100, 97.0530



28.5368, 25.4100, 0.0000



8.1891, 25.4100, 56.9119

Complementary

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



46.6619, 25.4100, 97.0530



44.4012, 75.8396, 18.4299

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.



7.7123, 25.4100, 17.4155



46.6619, 25.4100, 97.0530



17.1000, 25.4100, 0.2261

Square

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



46.6619, 25.4100, 97.0530



42.5499, 25.4100, 1.5947



10.3739, 25.4100, 3.0706



12.0086, 25.4100, 116.2654

Rectangle

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



46.6619, 25.4100, 97.0530



55.1647, 25.4100, 17.8289



10.3739, 25.4100, 3.0706



7.6963, 25.4100, 40.5873

Sweetspot

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



46.6629, 25.4110, 97.0531



74.6916, 66.7038, 103.5462



27.5362, 22.2248, 97.4462



15.5281, 13.5470, 22.0464



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.



46.6629, 25.4110, 97.0531



42.4586, 20.7262, 96.3705



55.4793, 30.6639, 65.4812



18.3206, 18.0570, 22.7697



20.7901, 9.6282, 50.1972



2.1244, 0.9891, 4.8922

Inverse Universe

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



46.8277, 27.2033, 19.9226



43.7425, 23.2559, 12.0408



41.5102, 74.1289, 28.2507



18.1966, 18.0620, 19.6527



22.0838, 11.3228, 3.8257



2.1918, 1.1191, 0.5916

Previews

White Background



This preview shows how the XYZ color 46.6619, 25.4100, 97.0530 looks on a white background.

Color Contrast Check

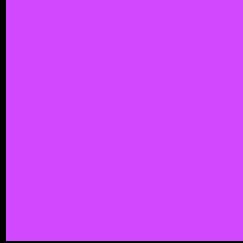
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6619, 25.4100, 97.0530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

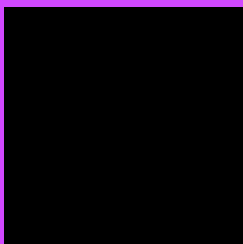
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.6619, 25.4100, 97.0530

Background



This preview shows how black text looks on a background with the XYZ color 46.6619, 25.4100, 97.0530.

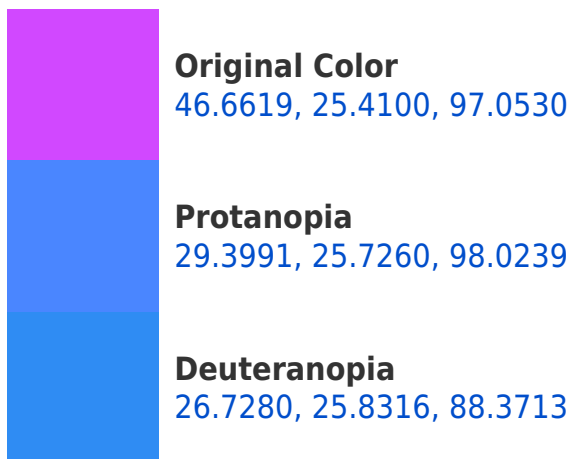


This preview shows how white text looks on a background with the XYZ color 46.6619, 25.4100,

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





Tritanopia

31.3624, 25.1761, 22.9452

Trichromacy



Original Color

46.6619, 25.4100, 97.0530



Protanomaly

31.9028, 22.7998, 97.3271



Deuteranomaly

28.8631, 22.0410, 90.7288



Tritanomaly

35.2225, 24.1948, 42.3488

Monochromacy



Original Color

46.6619, 25.4100, 97.0530



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.4183, 22.1603, 44.8990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6619, 25.4100, 97.0530 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(209, 72, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 72, 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(209, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 72, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6619, 25.4100, 97.0530 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(209, 72, 255) }
```


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

```
.border{ border-color:rgb(209, 72, 255) }
```

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

Here you see how a box with a 4 pixel rgb(209, 72, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 72,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6619, 25.4100, 97.0530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 72, 255) }
```

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

```
.background{ background-color: rgb(209, 72,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor