

Converting Colors

XYZ(84.9632, 60.3905,
196.6251)

Have a look what the booklet for
XYZ(84.9632, 60.3905, 196.6251)
contains.

XYZ(66.9777, 53.2298, 101.3520)	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(66.9777, 53.2298,
101.3520)**

Conversions

Conversions Part 1

Format	Color
Hex	EDA8FF
RGB	237, 168, 255
RGB Percent	93%, 66%, 100%
CMY	0.0706, 0.3412, 0.0000
CMYK	0.07, 0.34, 0.00, 0.00
HSL	288°, 100%, 83%
HSV	288°, 34%, 100%
XYZ	66.9777, 53.2298, 101.3520
YIQ	198.5490, 13.1970, 41.6850

Conversions

Conversions Part 2

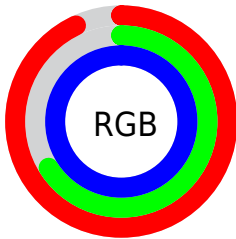
Format	Color
R _Y B	237, 168, 255
Decimal	15575295
CIE Lab	78.01, 39.72, -33.19
CIE LCh	78, 51.764, 320.118
Yxy	53.2298, 0.3023, 0.2403
Android (android.graphics.Color)	4293765375 (0xFFEDA8FF)
YUV	198.5490, 27.8303, 33.7215
Hunter-Lab	72.9588, 36.1890, -31.2927

Details

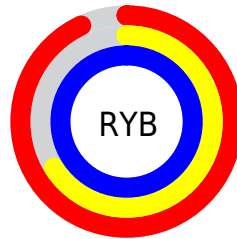
The XYZ color **66.9777, 53.2298, 101.3520** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.0788, 84.7868, 50.0892**, and the grayscale version is **53.8422, 56.6462, 61.6877**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **35.1462, 26.0420, 56.6003** is the 20% darker color. If you saturate the color by 10%, you get **60.9883, 43.8267, 99.8527**, and if you desaturate by 10%, it is **73.9451, 64.5100, 103.1621**.

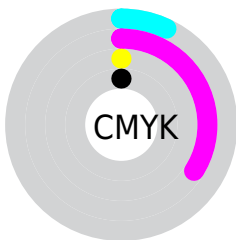
Distribution



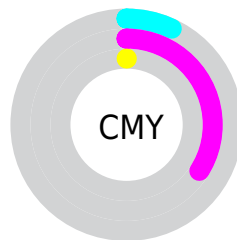
- Red (93%)
- Green (66%)
- Blue (100%)



- Red (93%)
- Yellow (66%)
- Blue (100%)



- Cyan (7%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9777, 53.2298, 101.3520 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 66.9777, 53.2298, 101.3520 by changing the saturation by 10% instead.

66.9777, 53.2298,
101.3520

66.9777, 53.2298,
101.3520

439.2991,
399.1661, 585.8023

49.3371, 37.9862,
76.8070

113.9384, 94.9424,
165.0820

35.1026, 25.9720,
56.5838

143.9893,
122.1803, 205.1040

23.9088, 16.8027,
40.2641

178.9077,
154.1851, 251.1220

15.3904, 10.0939,
27.4292

219.0589,
191.3411, 303.5547

9.1819, 5.4613,
17.6605

264.8082,
234.0329, 362.8205

4.9181, 2.5204,
10.5396

316.5212,

2.2335, 0.8868,

282.6447, 429.3381

5.6479

374.5630,
337.5610, 503.5258

■ 0.7603, 0.0000,
2.5669

■ 0.0000, 0.0000,
0.8753

■ 66.9777, 53.2298,
101.3520

■ 66.9777, 53.2298,
101.3520

■ 60.9883, 43.8267,
99.8527

■ 73.9451, 64.5100,
103.1621

■ 55.9175, 36.1855,
98.6451

■ 81.9360, 77.7606,
105.2985

■ 51.7066, 30.1885,
97.7095

■ 90.9986, 93.0763,
107.7771

■ 48.2878, 25.7007,
97.0234

95.0500, 100.0000,
108.9000

■ 45.5823, 22.5653,
96.5608

■ 43.4940, 20.5906,
96.2897

■ 42.4733, 19.8107,
96.1930

Harmonies

Analogous

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



57.5595, 53.2298, 127.2964



66.9777, 53.2298, 101.3520



72.1991, 53.2298, 68.0199

Triad

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



66.9777, 53.2298, 101.3520



53.9943, 53.2298, 18.6600



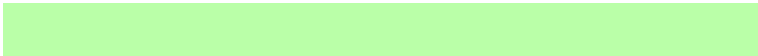
34.4840, 53.2298, 79.2319

Complementary

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



66.9777, 53.2298, 101.3520



63.0788, 84.7868, 50.0892

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.



33.7952, 53.2298, 48.9412



66.9777, 53.2298, 101.3520



44.2132, 53.2298, 19.8906

Square

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



66.9777, 53.2298, 101.3520



64.0717, 53.2298, 24.9372



37.1258, 53.2298, 29.1464



39.1516, 53.2298, 111.8637

Rectangle

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



66.9777, 53.2298, 101.3520



72.1815, 53.2298, 48.7404



37.1258, 53.2298, 29.1464



33.8058, 53.2298, 68.2705

Sweetspot

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



66.9793, 53.2320, 101.3524



85.5335, 83.8088, 106.2764



51.9389, 51.0241, 101.7189



18.0403, 17.4880, 22.6746



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.



66.9793, 53.2320, 101.3524



62.7535, 46.5626, 100.2877



69.5759, 55.0001, 82.0710



18.4030, 18.0995, 22.7736



22.3212, 10.4175, 50.2689



2.2615, 1.0598, 4.8986

Inverse Universe

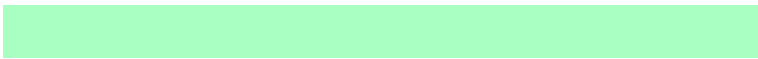
The Inverse Universe completely reimagines the original color for something new.



64.1068, 52.8124, 53.2711



59.6724, 46.1982, 44.8420



61.4966, 83.6802, 63.1604



18.1631, 18.0485, 19.4758



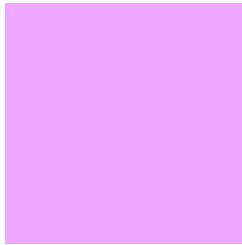
21.9245, 11.2591, 2.9867



2.1720, 1.1112, 0.4872

Previews

White Background



This preview shows how the XYZ color 66.9777, 53.2298, 101.3520 looks on a white background.

Color Contrast Check

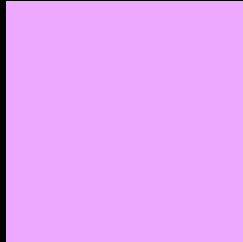
Large Text (above 18pt) WCAG AA × Fail

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 66.9777, 53.2298, 101.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

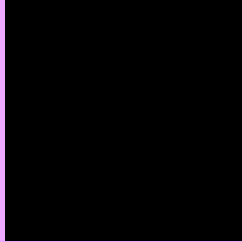
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9777, 53.2298, 101.3520

Background



This preview shows how black text looks on a background with the XYZ color 66.9777, 53.2298, 101.3520.



This preview shows how white text looks on a background with the XYZ color 66.9777, 53.2298,

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

66.9777, 53.2298, 101.3520

Protanopia

54.3600, 53.5956, 102.0876

Deuteranopia

54.8821, 53.6157, 98.7231



Tritanopia

58.0538, 53.0315, 58.2153

Trichromacy



Original Color

66.9777, 53.2298, 101.3520



Protanomaly

58.2722, 53.0927, 101.7844



Deuteranomaly

58.3860, 52.9017, 99.2292

Tritanomaly

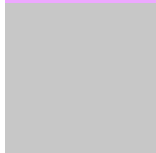
60.8750, 52.9975, 71.9868

Monochromacy



Original Color

66.9777, 53.2298, 101.3520



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

58.2100, 55.2270, 74.6097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9777, 53.2298, 101.3520 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(237, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 168, 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(237, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.9777, 53.2298, 101.3520 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(237, 168, 255) }
```


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

```
.border{ border-color:rgb(237, 168, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 168, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9777, 53.2298, 101.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 168, 255) }
```

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

```
.background{ background-color: rgb(237,  
168, 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