

Converting Colors

XYZ(61.8009, 33.5018, 97.8170)

Have a look what the booklet for
XYZ(61.8009, 33.5018, 97.8170)
contains.

XYZ(61.8061, 33.5122, 97.8187)	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(61.8061, 33.5122,
97.8187)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4BFF
RGB	255, 75, 255
RGB Percent	100%, 29%, 100%
CMY	0.0000, 0.7058, 0.0000
CMYK	0.00, 0.71, 0.00, 0.00
HSL	300°, 100%, 65%
HSV	300°, 71%, 100%
XYZ	61.8061, 33.5122, 97.8187
YIQ	149.3400, 49.5000, 94.1400

Conversions

Conversions Part 2

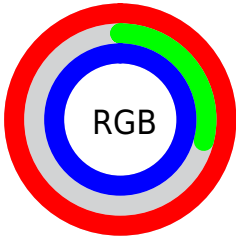
Format	Color
RYB	255, 75, 255
Decimal	16731135
CIELab	64.57, 85.88, -54.06
CIElCh	65, 101.479, 327.809
Yxy	33.5122, 0.3200, 0.1735
Android (android.graphics.Color)	4294921215 (0xFFFF4BFF)
YUV	149.3400, 52.0904, 92.6638
Hunter-Lab	57.8897, 89.2689, -59.6620

Details

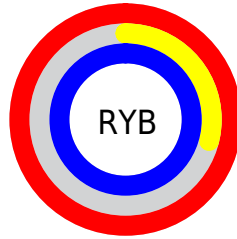
The XYZ color **61.8061, 33.5122, 97.8187** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **39.9327, 73.5243, 18.7452**, and the grayscale version is **28.4849, 29.9683, 32.6355**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **32.3262, 15.5006, 54.1114** is the 20% darker color. If you saturate the color by 10%, you get **60.4097, 30.7194, 97.3532**, and if you desaturate by 10%, it is **63.8962, 37.6923, 98.5154**.

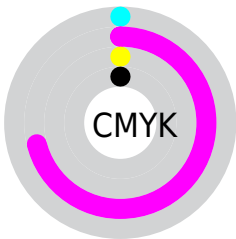
Distribution



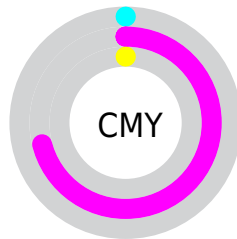
- Red (100%)
- Green (29%)
- Blue (100%)



- Red (100%)
- Yellow (29%)
- Blue (100%)



- Cyan (0%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8061, 33.5122, 97.8187 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 61.8061, 33.5122, 97.8187 by changing the saturation by 10% instead.


 61.8061, 33.5122,
97.8187


 61.8061, 33.5122,
97.8187

420.9523,
317.9515, 574.3632

 45.1310, 22.5191,
73.8734


 106.5368, 65.1744,
160.1820

 31.7624, 14.2388,
54.1943


 135.3231, 86.6123,
199.4370

 21.3347, 8.2870,
38.3628


 168.8772,
112.3005, 244.6324

 13.4828, 4.2791,
25.9603

 207.5645,
142.6236, 296.1866

 7.8411, 1.8309,
16.5685

251.7503,
177.9658, 354.5183

 4.0444, 0.5063,
9.7686

301.7999,

 1.7273, 0.0000,

218.7116, 420.0459

5.1422

358.0788,
265.2453, 493.1880

■ 0.4732, 0.0000,
2.2708

■ 0.0000, 0.0000,
0.7148

■ 61.8061, 33.5122,
97.8187

■ 61.8061, 33.5122,
97.8187

■ 60.4097, 30.7194,
97.3532

■ 63.8962, 37.6923,
98.5154

■ 59.6168, 29.1336,
97.0889

■ 66.7520, 43.4040,
99.4673

■ 59.2900, 28.4800,
96.9800

■ 70.4387, 50.7774,
100.6962

■ 75.0139, 59.9279,
102.2213

80.5302, 70.9604,
104.0601

87.0359, 83.9718,
106.2286

94.5762, 99.0524,
108.7421

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.



46.7347, 33.5122, 162.7605



61.8061, 33.5122, 97.8187



68.6927, 33.5122, 39.6323

Triad

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



61.8061, 33.5122, 97.8187



32.9317, 33.5122, 0.6941



12.9887, 33.5122, 87.9523

Complementary

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



61.8061, 33.5122, 97.8187



39.9327, 73.5243, 18.7452

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.



11.3051, 33.5122, 33.5166



61.8061, 33.5122, 97.8187



20.5213, 33.5122, 1.6170

Square

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



61.8061, 33.5122, 97.8187



49.1629, 33.5122, 2.0309



13.5845, 33.5122, 8.3165



19.1728, 33.5122, 154.6165

Rectangle

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



61.8061, 33.5122, 97.8187



66.5168, 33.5122, 17.0894



13.5845, 33.5122, 8.3165



11.9785, 33.5122, 66.8169

Sweetspot

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



61.8067, 33.5134, 97.8189



80.2817, 70.4634, 103.9772



23.4691, 13.7496, 96.0247



16.8392, 14.3934, 22.1406



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.



61.8067, 33.5134, 97.8189



59.9911, 29.8823, 97.2137



50.5486, 29.0102, 38.5348



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



61.8067, 33.5134, 97.8189



59.9911, 29.8823, 97.2137



45.4543, 75.7330, 47.8217



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 61.8061, 33.5122, 97.8187 looks on a white background.

Color Contrast Check

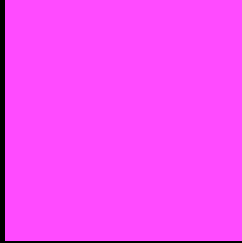
Large Text (above 18pt) WCAG AA × Fail

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 61.8061, 33.5122, 97.8187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

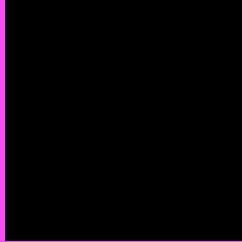
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.8061, 33.5122, 97.8187

Background



This preview shows how black text looks on a background with the XYZ color 61.8061, 33.5122, 97.8187.



This preview shows how white text looks on a background with the XYZ color 61.8061, 33.5122,

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

61.8061, 33.5122, 97.8187

Protanopia

36.5450, 33.9086, 99.2266

Deuteranopia

34.5976, 33.6325, 88.6726



Tritanopia

46.2444, 33.0144, 24.0137

Trichromacy



Original Color

61.8061, 33.5122, 97.8187



Protanomaly

40.9007, 29.8866, 98.2207



Deuteranomaly

39.6877, 29.7867, 91.6533

Tritanomaly

50.0475, 31.9712, 43.5777

Monochromacy



Original Color

61.8061, 33.5122, 97.8187



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

36.7757, 28.2413, 51.0898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8061, 33.5122, 97.8187 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(255, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 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(255, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.8061, 33.5122, 97.8187 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(255, 75, 255) }
```


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

```
.border{ border-color:rgb(255, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8061, 33.5122, 97.8187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 255) }
```

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

```
.background{ background-color: rgb(255, 75,  
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