

Converting Colors

XYZ(61.1257, 32.1514, 97.5919)

Have a look what the booklet for
XYZ(61.1257, 32.1514, 97.5919)
contains.

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Color

**XYZ(61.1234, 32.1468,
97.5911)**

Conversions

Conversions Part 1

Format	Color
Hex	FF40FF
RGB	255, 64, 255
RGB Percent	100%, 25%, 100%
CMY	0.0000, 0.7490, 0.0000
CMYK	0.00, 0.75, 0.00, 0.00
HSL	300°, 100%, 63%
HSV	300°, 75%, 100%
XYZ	61.1234, 32.1468, 97.5911
YIQ	142.8830, 52.5250, 99.8930

Conversions

Conversions Part 2

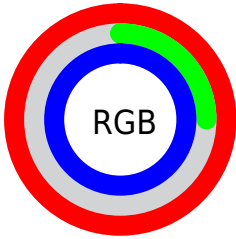
Format	Color
R _Y B	255, 64, 255
Decimal	16728319
CIE Lab	63.46, 89.06, -55.83
CIE LCh	63, 105.111, 327.920
Yxy	32.1468, 0.3203, 0.1684
Android (android.graphics.Color)	4294918399 (0xFFFF40FF)
YUV	142.8830, 55.2737, 98.3266
Hunter-Lab	56.6981, 93.2100, -62.3636

Details

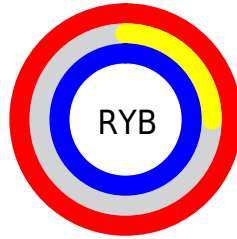
The XYZ color **61.1234, 32.1468, 97.5911** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.8007, 72.9806, 16.8937**, and the grayscale version is **25.8359, 27.1814, 29.6006**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **32.3262, 15.5006, 54.1114** is the 20% darker color. If you saturate the color by 10%, you get **59.9995, 29.8991, 97.2165**, and if you desaturate by 10%, it is **62.9050, 35.7099, 98.1850**.

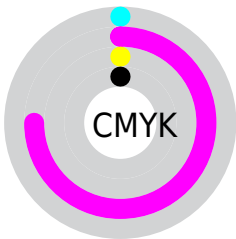
Distribution



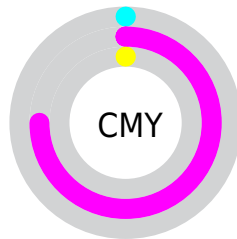
- Red (100%)
- Green (25%)
- Blue (100%)



- Red (100%)
- Yellow (25%)
- Blue (100%)



- Cyan (0%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1234, 32.1468, 97.5911 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 61.1234, 32.1468, 97.5911 by changing the saturation by 10% instead.


 61.1234, 32.1468,
97.5911


 61.1234, 32.1468,
97.5911


418.4950,
311.7874, 573.6221

 44.5777, 21.4737,
73.6847


 105.5547, 63.0412,
159.8657

 31.3248, 13.4707,
54.0408

 134.1710, 84.0311,
199.0710

 20.9993, 7.7534,
38.2409


 167.5415,
109.2289, 244.2130

 13.2360, 3.9376,
25.8664

 206.0316,
139.0187, 295.7102

 7.6693, 1.6387,
16.4988

250.0066,
173.7851, 353.9812

 3.9341, 0.3835,
9.7197

299.8320,

 1.6649, 0.0000,

213.9125, 419.4444

5.1103

355.8730,
259.7851, 492.5186

■ 0.4342, 0.0000,
2.2523

■ 0.0000, 0.0000,
0.7043

■ 61.1234, 32.1468,
97.5911

■ 61.1234, 32.1468,
97.5911

■ 59.9995, 29.8991,
97.2165

■ 62.9050, 35.7099,
98.1850


■ 59.4341, 28.7681,
97.0280


■ 65.4219, 40.7438,
99.0240


■ 59.2900, 28.4800,
96.9800

■ 68.7428, 47.3856,
100.1309

■ 72.9281, 55.7561,
101.5260

 78.0322, 65.9645,
103.2274

 84.1055, 78.1109,
105.2518

 91.1942, 92.2883,
107.6147

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.



45.7090, 32.1468, 165.3464



61.1234, 32.1468, 97.5911



68.1679, 32.1468, 38.0091

Triad

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



61.1234, 32.1468, 97.5911



31.5872, 32.1468, 0.3061



11.8297, 32.1468, 87.8967

Complementary

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



61.1234, 32.1468, 97.5911



38.8007, 72.9806, 16.8937

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.



10.1832, 32.1468, 32.1586



61.1234, 32.1468, 97.5911



19.1853, 32.1468, 1.1697

Square

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



61.1234, 32.1468, 97.5911



48.0617, 32.1468, 1.5001



12.3805, 32.1468, 7.2818



17.9174, 32.1468, 157.2488

Rectangle

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



61.1234, 32.1468, 97.5911



65.8954, 32.1468, 15.6059



12.3805, 32.1468, 7.2818



10.8441, 32.1468, 66.1010

Sweetspot

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



61.1240, 32.1479, 97.5913



79.6904, 69.2808, 103.7801



21.9990, 11.9783, 95.7603



16.7244, 14.1637, 22.1023



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.



61.1240, 32.1479, 97.5913



59.6484, 29.1968, 97.0995



49.3759, 27.4487, 35.7269



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.



61.1240, 32.1479, 97.5913



59.6484, 29.1968, 97.0995



44.1769, 75.1311, 45.2045



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 61.1234, 32.1468, 97.5911 looks on a white background.

Color Contrast Check

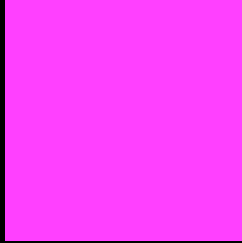
Large Text (above 18pt) WCAG AA × Fail

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 61.1234, 32.1468, 97.5911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

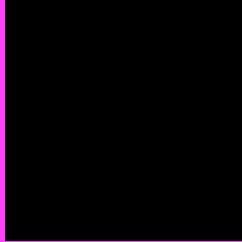
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.1234, 32.1468, 97.5911

Background



This preview shows how black text looks on a background with the XYZ color 61.1234, 32.1468, 97.5911.



This preview shows how white text looks on a background with the XYZ color 61.1234, 32.1468,

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

61.1234, 32.1468, 97.5911

Protanopia

35.3010, 32.5414, 99.0283

Deuteranopia

33.5265, 32.5862, 88.5271



Tritanopia

45.2915, 31.7160, 21.8238

Trichromacy



Original Color

61.1234, 32.1468, 97.5911



Protanomaly

39.3448, 27.9907, 97.9368



Deuteranomaly

38.1231, 27.8637, 91.3646

Tritanomaly

49.0041, 30.4992, 41.3343

Monochromacy



Original Color

61.1234, 32.1468, 97.5911



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

34.4362, 25.6857, 48.4902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1234, 32.1468, 97.5911 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, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 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, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.1234, 32.1468, 97.5911 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, 64, 255) }
```


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

```
.border{ border-color:rgb(255, 64, 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, 64, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.1234, 32.1468, 97.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 255) }
```

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

```
.background{ background-color: rgb(255, 64,  
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](#).

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