

Converting Colors

XYZ(60.7880, 31.4760, 97.4793)

Have a look what the booklet for
XYZ(60.7880, 31.4760, 97.4793)
contains.

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Color

**XYZ(60.8031, 31.5061,
97.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3AFF
RGB	255, 58, 255
RGB Percent	100%, 23%, 100%
CMY	0.0000, 0.7725, 0.0000
CMYK	0.00, 0.77, 0.00, 0.00
HSL	300°, 100%, 61%
HSV	300°, 77%, 100%
XYZ	60.8031, 31.5061, 97.4844
YIQ	139.3610, 54.1750, 103.0310

Conversions

Conversions Part 2

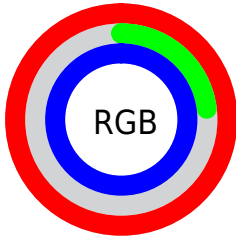
Format	Color
R _{YB}	255, 58, 255
Decimal	16726783
CIE _{Lab}	62.93, 90.60, -56.67
CIE _{LCh}	63, 106.862, 327.973
Y _{xy}	31.5061, 0.3204, 0.1660
Android (android.graphics.Color)	4294916863 (0xFFFF3AFF)
YUV	139.3610, 57.0100, 101.4154
Hunter-Lab	56.1303, 95.1320, -63.6808

Details

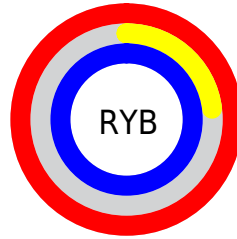
The XYZ color **60.8031, 31.5061, 97.4844** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.2695, 72.7255, 16.0248**, and the grayscale version is **24.4542, 25.7278, 28.0175**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **32.3262, 15.5006, 54.1114** is the 20% darker color. If you saturate the color by 10%, you get **59.8204, 29.5407, 97.1568**, and if you desaturate by 10%, it is **62.4225, 34.7449, 98.0242**.

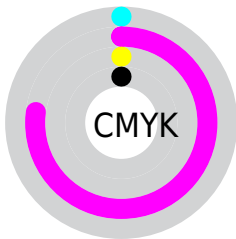
Distribution



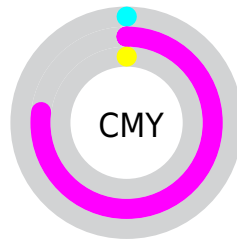
- Red (100%)
- Green (23%)
- Blue (100%)



- Red (100%)
- Yellow (23%)
- Blue (100%)



- Cyan (0%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.8031, 31.5061, 97.4844 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 60.8031, 31.5061, 97.4844 by changing the saturation by 10% instead.


 60.8031, 31.5061,
97.4844


 60.8031, 31.5061,
97.4844

417.3391,
308.8632, 573.2746


 44.3182, 20.9845,
73.5962

 105.0935, 62.0360,
159.7174


 31.1197, 13.1127,
53.9688


 133.6298, 82.8131,
198.8994


 20.8423, 7.5062,
38.1837


 166.9138,
107.7776, 244.0163

 13.1206, 3.7806,
25.8224

 205.3111,
137.3137, 295.4867

 7.5892, 1.5516,
16.4662

 249.1869,
171.8059, 353.7292

 3.8828, 0.3247,
9.6968

298.9066,

 1.6361, 0.0000,

211.6387, 419.1623

5.0954

354.8356,
257.1963, 492.2046

■ 0.4157, 0.0000,
2.2436

■ 0.0000, 0.0000,
0.6994

■ 60.8031, 31.5061,
97.4844

■ 60.8031, 31.5061,
97.4844

■ 59.8204, 29.5407,
97.1568

■ 62.4225, 34.7449,
98.0242

■ 59.3661, 28.6322,
97.0054

■ 64.7598, 39.4195,
98.8033

■ 59.2900, 28.4800,
96.9800

■ 67.8858, 45.6717,
99.8453

■ 71.8626, 53.6253,
101.1709

■ 76.7460, 63.3919,
102.7987

■ 82.5869, 75.0737,
104.7456

■ 89.4326, 88.7653,
107.0275

■ 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.



45.2262, 31.5061, 166.6101



60.8031, 31.5061, 97.4844



67.9224, 31.5061, 37.2439

Triad

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



60.8031, 31.5061, 97.4844



30.9550, 31.5061, 0.1195



11.2989, 31.5061, 87.8833

Complementary

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



60.8031, 31.5061, 97.4844



38.2695, 72.7255, 16.0248

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.



9.6718, 31.5061, 31.5245



60.8031, 31.5061, 97.4844



18.5646, 31.5061, 0.9879

Square

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



60.8031, 31.5061, 97.4844



47.5407, 31.5061, 1.2815



11.8282, 31.5061, 6.8178



17.3357, 31.5061, 158.5446

Rectangle

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



60.8031, 31.5061, 97.4844



65.6029, 31.5061, 14.9233



11.8282, 31.5061, 6.8178



10.3259, 31.5061, 65.7693

Sweetspot

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



60.8036, 31.5072, 97.4845



79.1090, 68.1179, 103.5863



21.3091, 11.1470, 95.6362



16.5003, 13.7156, 22.0277



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.



60.8036, 31.5072, 97.4845



59.5039, 28.9078, 97.0513



48.7972, 26.7046, 34.2599



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.



60.8036, 31.5072, 97.4845



59.5039, 28.9078, 97.0513



43.5492, 74.8373, 43.8270



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 60.8031, 31.5061, 97.4844 looks on a white background.

Color Contrast Check

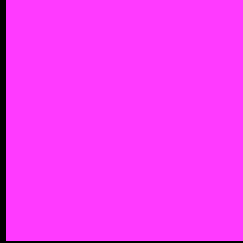
Large Text (above 18pt) WCAG AA × Fail

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 60.8031, 31.5061, 97.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

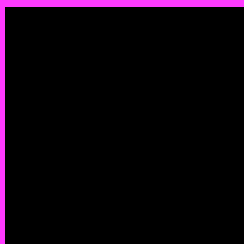
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.8031, 31.5061, 97.4844

Background



This preview shows how black text looks on a background with the XYZ color 60.8031, 31.5061, 97.4844.



This preview shows how white text looks on a background with the XYZ color 60.8031, 31.5061,

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

60.8031, 31.5061, 97.4844

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.5849, 31.6321, 87.6073



Tritanopia

44.9494, 31.2261, 21.1109

Trichromacy



Original Color

60.8031, 31.5061, 97.4844



Protanomaly

38.7926, 27.1844, 97.8103



Deuteranomaly

37.2135, 26.8798, 90.4157

Tritanomaly

48.5512, 29.8939, 40.2570

Monochromacy



Original Color

60.8031, 31.5061, 97.4844



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

32.9725, 24.3118, 46.6709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.8031, 31.5061, 97.4844 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, 58, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 58, 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, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.8031, 31.5061, 97.4844 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, 58, 255) }
```


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

```
.border{ border-color:rgb(255, 58, 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, 58, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.8031, 31.5061, 97.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 255) }
```

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

```
.background{ background-color: rgb(255, 58,  
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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