

Converting Colors

XYZ(60.3797, 30.6595, 97.3432)

Have a look what the booklet for
XYZ(60.3797, 30.6595, 97.3432)
contains.

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Color

**XYZ(60.3883, 30.6766,
97.3461)**

Conversions

Conversions Part 1

Format	Color
Hex	FF31FF
RGB	255, 49, 255
RGB Percent	100%, 19%, 100%
CMY	0.0000, 0.8078, 0.0000
CMYK	0.00, 0.81, 0.00, 0.00
HSL	300°, 100%, 60%
HSV	300°, 81%, 100%
XYZ	60.3883, 30.6766, 97.3461
YIQ	134.0780, 56.6500, 107.7380

Conversions

Conversions Part 2

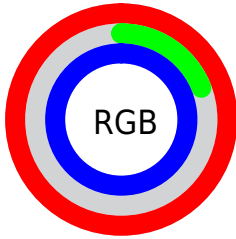
Format	Color
R _Y B	255, 49, 255
Decimal	16724479
CIE _{Lab}	62.23, 92.63, -57.79
CIE _{LCh}	62, 109.174, 328.042
Y _{xy}	30.6766, 0.3205, 0.1628
Android (android.graphics.Color)	4294914559 (0xFFFF31FF)
YUV	134.0780, 59.6145, 106.0486
Hunter-Lab	55.3865, 97.6937, -65.4364

Details

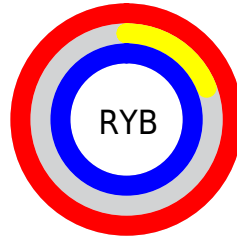
The XYZ color **60.3883, 30.6766, 97.3461** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.5819, 72.3951, 14.9000**, and the grayscale version is **22.4645, 23.6344, 25.7379**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **32.3262, 15.5006, 54.1114** is the 20% darker color. If you saturate the color by 10%, you get **59.6067, 29.1133, 97.0856**, and if you desaturate by 10%, it is **61.7731, 33.4463, 97.8077**.

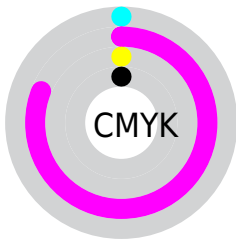
Distribution



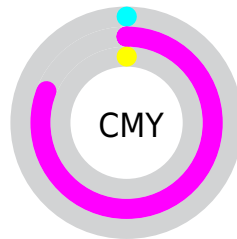
- Red (100%)
- Green (19%)
- Blue (100%)



- Red (100%)
- Yellow (19%)
- Blue (100%)



- Cyan (0%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.3883, 30.6766, 97.3461 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 60.3883, 30.6766, 97.3461 by changing the saturation by 10% instead.


 60.3883, 30.6766,
97.3461


 60.3883, 30.6766,
97.3461

415.8394,
305.0456, 572.8239


 43.9823, 20.3527,
73.4815

 104.4959, 60.7305,
159.5252

 30.8545, 12.6517,
53.8756

 132.9282, 81.2294,
198.6769


 20.6393, 7.1891,
38.1097


 166.1001,
105.8887, 243.7613

 12.9716, 3.5807,
25.7653

 204.3768,
135.0928, 295.1970

 7.4859, 1.4419,
16.4240

 248.1237,
169.2262, 353.4026

 3.8168, 0.2473,
9.6671

297.7062,

 1.5990, 0.0000,

208.6732, 418.7966

5.0761

353.4897,
253.8182, 491.7975

■ 0.3918, 0.0000,
2.2324

■ 0.0000, 0.0000,
0.6930

■ 60.3883, 30.6766,
97.3461

■ 60.3883, 30.6766,
97.3461

■ 59.6067, 29.1133,
97.0856


■ 61.7731, 33.4463,
97.8077


■ 59.2900, 28.4800,
96.9800


■ 63.8484, 37.5967,
98.4995

■ 66.6887, 43.2773,
99.4462

■ 70.3586, 50.6172,
100.6695

 74.9160, 59.7320,
102.1887

 80.4135, 70.7269,
104.0212

 86.8995, 83.6989,
106.1832

94.4192, 98.7384,
108.6897

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.



44.5997, 30.6766, 168.2962



60.3883, 30.6766, 97.3461



67.6052, 30.6766, 36.2498

Triad

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



60.3883, 30.6766, 97.3461



30.1355, 30.6766, 0.0000



10.6244, 30.6766, 87.8785

Complementary

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



60.3883, 30.6766, 97.3461



37.5819, 72.3951, 14.9000

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.



9.0246, 30.6766, 30.7066



60.3883, 30.6766, 97.3461



17.7673, 30.6766, 0.7650

Square

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



60.3883, 30.6766, 97.3461



46.8617, 30.6766, 1.0271



11.1257, 30.6766, 6.2379



16.5898, 30.6766, 160.2831

Rectangle

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



60.3883, 30.6766, 97.3461



65.2233, 30.6766, 14.0531



11.1257, 30.6766, 6.2379



9.6689, 30.6766, 65.3437

Sweetspot

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



60.3888, 30.6777, 97.3463



78.5373, 66.9746, 103.3958



20.4161, 10.0709, 95.4756



16.3911, 13.4971, 21.9912



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.



60.3888, 30.6777, 97.3463



59.3730, 28.6461, 97.0077



48.0068, 25.7249, 32.1436



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.



60.3888, 30.6777, 97.3463



59.3730, 28.6461, 97.0077



42.6952, 74.4405, 41.8266



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 60.3883, 30.6766, 97.3461 looks on a white background.

Color Contrast Check

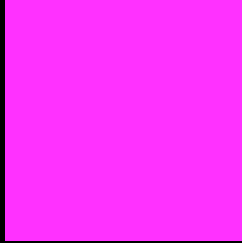
Large Text (above 18pt) WCAG AA × Fail

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 60.3883, 30.6766, 97.3461 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 60.3883, 30.6766, 97.3461

Background



This preview shows how black text looks on a background with the XYZ color 60.3883, 30.6766, 97.3461.



This preview shows how white text looks on a background with the XYZ color 60.3883, 30.6766,

97.3461.

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

60.3883, 30.6766, 97.3461

Protanopia

33.9632, 30.9122, 98.7843

Deuteranopia

31.9808, 31.0808, 87.5327



Tritanopia

44.3923, 30.4882, 19.7647

Trichromacy



Original Color

60.3883, 30.6766, 97.3461



Protanomaly

37.8350, 25.8580, 97.6047



Deuteranomaly

36.1694, 25.6570, 90.2347

Tritanomaly

47.9473, 28.9820, 39.1434

Monochromacy



Original Color

60.3883, 30.6766, 97.3461



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

31.2462, 22.3798, 44.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3883, 30.6766, 97.3461 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, 49, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 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, 49, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.3883, 30.6766, 97.3461 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, 49, 255) }
```


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

```
.border{ border-color:rgb(255, 49, 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, 49, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3883, 30.6766, 97.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 255) }
```

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

```
.background{ background-color: rgb(255, 49,  
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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