

Converting Colors

XYZ(30.6271, 14.7107, 83.4298)

Have a look what the booklet for
XYZ(30.6271, 14.7107, 83.4298)
contains.

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Color

**XYZ(30.7154, 14.7448,
83.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	A01FF0
RGB	160, 31, 240
RGB Percent	63%, 12%, 94%
CMY	0.3725, 0.8784, 0.0588
CMYK	0.33, 0.87, 0.00, 0.06
HSL	277°, 87%, 53%
HSV	277°, 87%, 94%
XYZ	30.7154, 14.7448, 83.6652
YIQ	93.3970, 9.7950, 92.3470

Conversions

Conversions Part 2

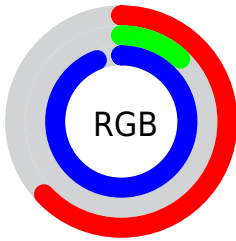
Format	Color
R _{YB}	160, 31, 240
Decimal	10493936
CIE _{Lab}	45.28, 78.97, -77.53
CIE _{LCh}	45, 110.663, 315.528
Yxy	14.7448, 0.2379, 0.1142
Android (android.graphics.Color)	4288684016 (0xFFA01FF0)
YUV	93.3970, 72.2753, 58.4108
Hunter-Lab	38.3990, 75.5843, -102.3042

Details

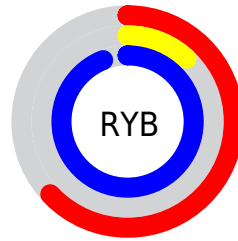
The XYZ color **30.7154, 14.7448, 83.6652** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **37.9627, 65.7986, 11.9959**, and the grayscale version is **10.3325, 10.8706, 11.8381**.

A 20% lighter version of the original color is **52.1435, 31.1415, 97.8704**, and **13.6928, 6.0715, 45.2500** is the 20% darker color. If you saturate the color by 10%, you get **28.5329, 13.0051, 83.4448**, and if you desaturate by 10%, it is **33.4975, 17.4798, 84.0468**.

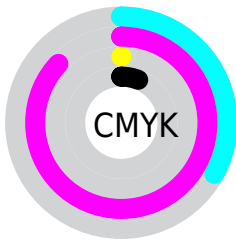
Distribution



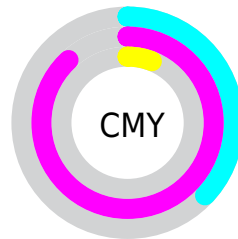
- Red (63%)
- Green (12%)
- Blue (94%)



- Red (63%)
- Yellow (12%)
- Blue (94%)



- Cyan (33%)
- Magenta (87%)
- Yellow (0%)
- Black (6%)





- Cyan (37%)
- Magenta (88%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7154, 14.7448, 83.6652 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 30.7154, 14.7448, 83.6652 by changing the saturation by 10% instead.

 30.7154, 14.7448,
83.6652


 30.7154, 14.7448,
83.6652


297.0754,
221.8163, 527.2297


 20.5330, 8.6405,
62.1953


 60.1706, 34.4049,
140.3643


 12.8936, 4.5074,
44.7537


 80.1741, 48.7294,
176.4305


 7.4318, 1.9613,
30.9219


 104.1821, 66.5628,
218.1993

 3.7823, 0.5848,
20.2814

 132.5598, 88.2894,
266.0891

 1.5797, 0.0000,
12.4137

 165.6726,
114.2937, 320.5185

 0.3791, 0.0000,
6.9001

 203.8859,

 0.0000, 0.0000,

144.9600, 381.9061

3.3222

247.5650,
180.6727, 450.6703

■ 0.0000, 0.0000,
1.2614

■ 0.0000, 0.0000,
0.0299

■ 30.7154, 14.7448,
83.6652

■ 30.7154, 14.7448,
83.6652

■ 28.5329, 13.0051,
83.4448

■ 33.4975, 17.4798,
84.0468

■ 27.9660, 12.6001,
83.3965

■ 36.9708, 21.3929,
84.6190

■ 41.2100, 26.6278,
85.4060

■ 46.2779, 33.3067,
86.4281

■ 52.2305, 41.5373,
87.7030

■ 59.1183, 51.4170,
89.2470

■ 66.9877, 63.0350,
91.0747

■ 75.8818, 76.4740,
93.1999

■ 85.8410, 91.8112,
95.6354

Harmonies

Analogous

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



19.2784, 14.7448, 130.2017



30.7154, 14.7448, 83.6652



38.9229, 14.7448, 32.2485

Triad

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



30.7154, 14.7448, 83.6652



18.8932, 14.7448, 0.0000



2.9723, 14.7448, 33.6991

Complementary

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



30.7154, 14.7448, 83.6652



37.9627, 65.7986, 11.9959

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.



2.9425, 14.7448, 6.4599



30.7154, 14.7448, 83.6652



9.8082, 14.7448, 0.0000

Square

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



30.7154, 14.7448, 83.6652



30.3298, 14.7448, 0.0000



4.8286, 14.7448, 0.0383



4.9423, 14.7448, 85.6565

Rectangle

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



30.7154, 14.7448, 83.6652



39.8730, 14.7448, 11.6690



4.8286, 14.7448, 0.0383



2.7772, 14.7448, 21.4207

Sweetspot

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



30.7162, 14.7453, 83.6656



68.6954, 60.2470, 102.6159



21.9906, 17.9771, 84.7493



14.0806, 11.9899, 21.8221



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.



30.7162, 14.7453, 83.6656



32.0321, 14.4281, 95.7044



48.7705, 24.4434, 66.8540



15.8342, 15.7118, 19.9197



15.4619, 6.9763, 45.6595



1.3968, 0.6373, 3.8036

Inverse Universe

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



39.2944, 20.6530, 16.9535



43.4259, 22.1344, 13.4409



32.4241, 62.8912, 14.0932



16.0232, 15.8590, 17.6782



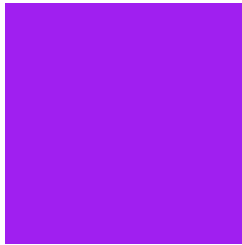
20.7856, 10.5867, 6.7878



1.7763, 0.8996, 0.8127

Previews

White Background



This preview shows how the XYZ color 30.7154, 14.7448, 83.6652 looks on a white background.

Color Contrast Check

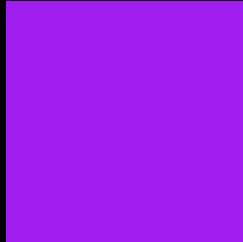
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.7154, 14.7448, 83.6652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7154, 14.7448, 83.6652

Background



This preview shows how black text looks on a background with the XYZ color 30.7154, 14.7448, 83.6652.



This preview shows how white text looks on a background with the XYZ color 30.7154, 14.7448,

83.6652.

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

30.7154, 14.7448, 83.6652

Protanopia

17.7365, 15.0151, 68.9812

Deuteranopia

14.7612, 14.8260, 50.2278



Tritanopia

16.7651, 14.6998, 15.0504

Trichromacy



Original Color

30.7154, 14.7448, 83.6652



Protanomaly

18.2639, 11.7533, 73.9791



Deuteranomaly

16.0725, 11.3385, 61.0159



Tritanomaly

19.6339, 12.9943, 31.6103

Monochromacy



Original Color

30.7154, 14.7448, 83.6652



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

14.7146, 10.2375, 28.3946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7154, 14.7448, 83.6652 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(160, 31, 240)` looks like.

```
.text, #text, p{  
    color:rgb(160, 31, 240)  
}
```

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(160, 31, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 31, 240) }
```

Border

The CSS property to change the border of an element to XYZ 30.7154, 14.7448, 83.6652 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(160, 31, 240) }
```


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

```
.border{ border-color:rgb(160, 31, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 31, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 31, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 31, 240);  
box-shadow:4px 4px 4px 4px rgb(160, 31,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7154, 14.7448, 83.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 31, 240) }
```

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

```
.background{ background-color: rgb(160, 31,  
240) }
```

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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