

Converting Colors

XYZ(30.7066, 14.0020, 84.0194)

Have a look what the booklet for
XYZ(30.7066, 14.0020, 84.0194)
contains.

XYZ(30.7775, 14.0323, 84.3054)	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(30.7775, 14.0323,
84.3054)**

Conversions

Conversions Part 1

Format	Color
Hex	A200F1
RGB	162, 0, 241
RGB Percent	64%, 0%, 95%
CMY	0.3647, 1.0000, 0.0549
CMYK	0.33, 1.00, 0.00, 0.05
HSL	280°, 100%, 47%
HSV	280°, 100%, 95%
XYZ	30.7775, 14.0323, 84.3054
YIQ	75.9120, 19.1910, 109.2950

Conversions

Conversions Part 2

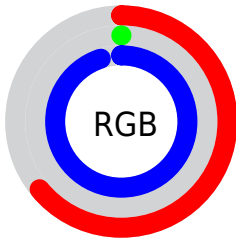
Format	Color
RYB	162, 0, 241
Decimal	10617073
CIELab	44.28, 83.52, -79.72
CIELCh	44, 115.464, 316.334
Yxy	14.0323, 0.2384, 0.1087
Android (android.graphics.Color)	4288807153 (0xFFA200F1)
YUV	75.9120, 81.3884, 75.4992
Hunter-Lab	37.4597, 81.1040, -107.2140

Details

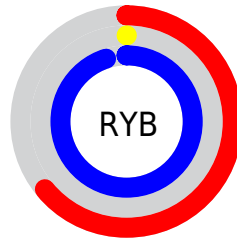
The XYZ color **30.7775, 14.0323, 84.3054** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **34.6800, 64.5731, 10.6362**, and the grayscale version is **6.7083, 7.0576, 7.6858**.

A 20% lighter version of the original color is **51.9711, 29.8874, 97.6374**, and **13.9141, 6.1856, 45.2603** is the 20% darker color. If you saturate the color by 10%, you get **30.7779, 14.0325, 84.3057**, and if you desaturate by 10%, it is **32.7627, 15.5438, 84.4928**.

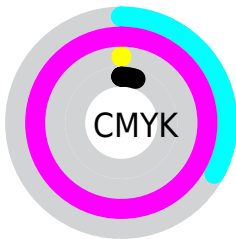
Distribution



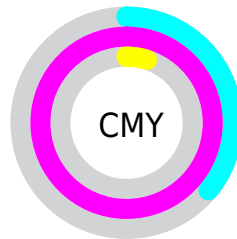
- Red (64%)
- Green (0%)
- Blue (95%)



- Red (64%)
- Yellow (0%)
- Blue (95%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (36%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7775, 14.0323, 84.3054 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 30.7775, 14.0323, 84.3054 by changing the saturation by 10% instead.

 30.7775, 14.0323,
84.3054


 30.7775, 14.0323,
84.3054


297.3572,
217.4317, 529.4114


 20.5805, 8.1431,
62.7208


 60.2678, 33.1463,
141.2678

 12.9284, 4.1867,
45.1758


 80.2918, 47.1400,
177.4827


 7.4559, 1.7785,
31.2520


 104.3222, 64.6039,
219.4114

 3.7977, 0.4737,
20.5307

 132.7243, 85.9225,
267.4725

 1.5883, 0.0000,
12.5935

 165.8635,
111.4802, 322.0845

 0.3848, 0.0000,
7.0218

 204.1052,

 0.0000, 0.0000,

141.6614, 383.6660

3.3971

247.8146,
176.8504, 452.6354

■ 0.0000, 0.0000,
1.3008

■ 0.0000, 0.0000,
0.0624

■ 30.7775, 14.0323,
84.3054

■ 30.7775, 14.0323,
84.3054

■ 30.7779, 14.0325,
84.3057

■ 32.7627, 15.5438,
84.4928

■ 35.2576, 17.9233,
84.8206

■ 38.3920, 21.4271,
85.3317

■ 42.2435, 26.2076,
86.0514

■ 46.8774, 32.3929,
87.0011

■ 52.3509, 40.0953,
88.1993

■ 58.7156, 49.4153,
89.6628

■ 66.0185, 60.4447,
91.4068

■ 74.3032, 73.2685,
93.4454

Harmonies

Analogous

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



18.9890, 14.0323, 134.7619



30.7775, 14.0323, 84.3054



39.1494, 14.0323, 30.7440

Triad

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



30.7775, 14.0323, 84.3054



17.9947, 14.0323, 0.0000



2.5163, 14.0323, 34.5413

Complementary

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



30.7775, 14.0323, 84.3054



34.6800, 64.5731, 10.6362

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.



2.4465, 14.0323, 6.1293



30.7775, 14.0323, 84.3054



8.9355, 14.0323, 0.0000

Square

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



30.7775, 14.0323, 84.3054



29.7663, 14.0323, 0.0000



4.1666, 14.0323, 0.0000



4.4421, 14.0323, 89.6506

Rectangle

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



30.7775, 14.0323, 84.3054



39.9644, 14.0323, 10.3210



4.1666, 14.0323, 0.0000



2.3212, 14.0323, 21.6138

Sweetspot

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



30.7783, 14.0328, 84.3058



66.6787, 56.0705, 101.9161



18.7707, 12.1377, 84.5728



13.5907, 10.9944, 21.6558



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.



30.7783, 14.0328, 84.3058



34.9346, 15.9243, 95.8402



46.7989, 22.9102, 57.1118



15.9214, 15.7567, 19.9238



16.8380, 7.6857, 45.7239



1.5050, 0.6931, 3.8087

Inverse Universe

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



37.6871, 19.2655, 9.1297



42.8241, 21.8936, 10.2718



31.8414, 63.0652, 12.5173



15.9864, 15.8443, 17.4847



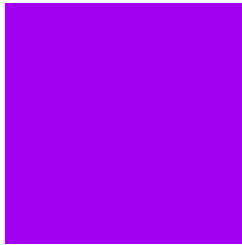
20.4919, 10.4692, 5.2411



1.7489, 0.8886, 0.6684

Previews

White Background



This preview shows how the XYZ color 30.7775, 14.0323, 84.3054 looks on a white background.

Color Contrast Check

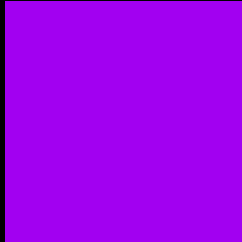
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7775, 14.0323, 84.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

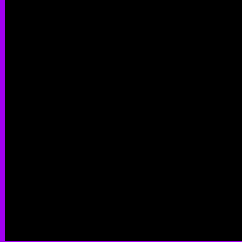
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7775, 14.0323, 84.3054

Background



This preview shows how black text looks on a background with the XYZ color 30.7775, 14.0323, 84.3054.



This preview shows how white text looks on a background with the XYZ color 30.7775, 14.0323,

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

30.7775, 14.0323, 84.3054

Protanopia

17.2449, 14.6584, 66.8862

Deuteranopia

14.4383, 14.5251, 49.0564



Tritanopia

16.6682, 14.2634, 14.1865

Trichromacy



Original Color

30.7775, 14.0323, 84.3054



Protanomaly

17.3425, 10.2625, 72.3010



Deuteranomaly

15.1942, 9.6910, 60.1012



Tritanomaly

19.1374, 11.6097, 30.9380

Monochromacy



Original Color

30.7775, 14.0323, 84.3054



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.5643, 7.0173, 24.0375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7775, 14.0323, 84.3054 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(162, 0, 241)` looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 241)  
}
```

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(162, 0, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 241) }
```

Border

The CSS property to change the border of an element to XYZ 30.7775, 14.0323, 84.3054 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(162, 0, 241) }
```


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

```
.border{ border-color:rgb(162, 0, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 0, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 0, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 0, 241); box-shadow:4px 4px 4px 4px rgb(162, 0, 241) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7775, 14.0323, 84.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 241) }
```

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

```
.background{ background-color: rgb(162, 0,  
241) }
```

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