

Converting Colors

XYZ(30.8258, 14.2904, 73.7705)

Have a look what the booklet for
XYZ(30.8258, 14.2904, 73.7705)
contains.

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Color

**XYZ(30.8784, 14.3167,
73.8090)**

Conversions

Conversions Part 1

Format	Color
Hex	AC00E3
RGB	172, 0, 227
RGB Percent	67%, 0%, 89%
CMY	0.3255, 1.0000, 0.1098
CMYK	0.24, 1.00, 0.00, 0.11
HSL	285°, 100%, 45%
HSV	285°, 100%, 89%
XYZ	30.8784, 14.3167, 73.8090
YIQ	77.3060, 29.6450, 107.0610

Conversions

Conversions Part 2

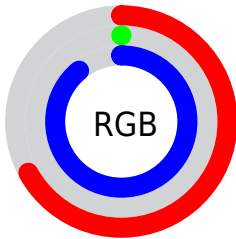
Format	Color
RYB	172, 0, 227
Decimal	11272419
CIELab	44.68, 82.16, -71.06
CIELCh	45, 108.625, 319.141
Yxy	14.3167, 0.2595, 0.1203
Android (android.graphics.Color)	4289462499 (0xFFAC00E3)
YUV	77.3060, 73.7991, 83.0466
Hunter-Lab	37.8374, 79.4550, -89.1701

Details

The XYZ color **30.8784, 14.3167, 73.8090** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **29.0451, 55.7508, 9.2304**, and the grayscale version is **6.9754, 7.3386, 7.9918**.

A 20% lighter version of the original color is **54.8184, 31.3553, 97.7707**, and **13.9378, 6.3470, 38.5207** is the 20% darker color. If you saturate the color by 10%, you get **30.8786, 14.3168, 73.8093**, and if you desaturate by 10%, it is **32.4120, 15.5536, 73.9672**.

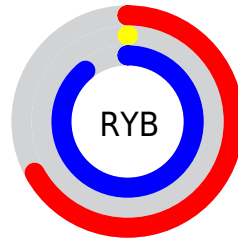
Distribution



Red (67%)

Green (0%)

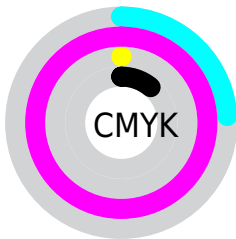
Blue (89%)



Red (67%)

Yellow (0%)

Blue (89%)

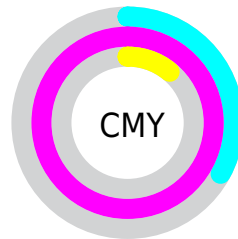


Cyan (24%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (33%)


Magenta (100%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8784, 14.3167, 73.8090 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 30.8784, 14.3167, 73.8090 by changing the saturation by 10% instead.

 30.8784, 14.3167,
73.8090


 30.8784, 14.3167,
73.8090

297.8146,
219.1922, 492.9597

 20.6576, 8.3413,
54.1419


 60.4257, 33.6499,
126.3566


 12.9850, 4.3141,
38.3212


 80.4830, 47.7765,
160.0741


 7.4952, 1.8508,
25.9283

 104.5498, 65.3889,
199.3121

 3.8227, 0.5185,
16.5447

 132.9915, 86.8715,
244.4893

 1.6023, 0.0000,
9.7519

 166.1735,
112.6088, 296.0241

 0.3939, 0.0000,
5.1313

 204.4611,

 0.0000, 0.0000,

142.9851, 354.3351

2.2644

248.2197,
178.3847, 419.8407

■ 0.0000, 0.0000,
0.7112

■ 0.0000, 0.0000,
0.0000

■ 30.8784, 14.3167,
73.8090

■ 30.8784, 14.3167,
73.8090

■ 30.8786, 14.3168,
73.8093

■ 32.4120, 15.5536,
73.9672

■ 34.3483, 17.5218,
74.2450

■ 36.8020, 20.4488,
74.6807

■ 39.8388, 24.4653,
75.2959

■ 43.5140, 29.6811,
76.1089

■ 47.8763, 36.1928,
77.1359

■ 52.9693, 44.0865,
78.3911

■ 58.8328, 53.4413,
79.8877

■ 65.5036, 64.3299,
81.6379

Harmonies

Analogous

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



19.9577, 14.3167, 121.1529



30.8784, 14.3167, 73.8090



37.9707, 14.3167, 26.6412

Triad

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



30.8784, 14.3167, 73.8090



17.0579, 14.3167, 0.0000



3.0535, 14.3167, 37.5428

Complementary

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



30.8784, 14.3167, 73.8090



29.0451, 55.7508, 9.2304

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.



2.8254, 14.3167, 8.1139



30.8784, 14.3167, 73.8090



8.7714, 14.3167, 0.0000

Square

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



30.8784, 14.3167, 73.8090



27.9843, 14.3167, 0.0000



4.3912, 14.3167, 0.4180



5.2571, 14.3167, 88.6908

Rectangle

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



30.8784, 14.3167, 73.8090



38.1459, 14.3167, 9.0775



4.3912, 14.3167, 0.4180



2.7946, 14.3167, 24.6437

Sweetspot

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



30.8791, 14.3172, 73.8093



68.8167, 57.1727, 102.0161



15.3164, 8.4484, 73.4968



14.1036, 11.2588, 21.6798



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.



30.8791, 14.3172, 73.8093



40.0975, 18.5859, 96.0818



38.9584, 19.2430, 39.8165



14.6360, 14.4301, 18.1582



18.1184, 8.4063, 43.0508



1.4208, 0.6634, 3.1851

Inverse Universe

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



32.3685, 16.6070, 5.1147



42.1036, 21.6054, 6.4775



28.2018, 55.2314, 13.0135



14.5194, 14.4250, 15.6698



18.9157, 9.7005, 3.1849



1.4338, 0.7312, 0.4250

Previews

White Background



This preview shows how the XYZ color 30.8784, 14.3167, 73.8090 looks on a white background.

Color Contrast Check

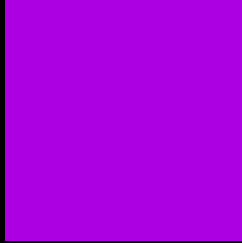
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8784, 14.3167, 73.8090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

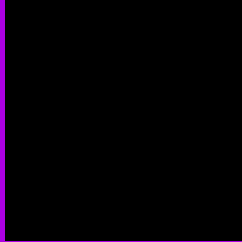
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8784, 14.3167, 73.8090

Background



This preview shows how black text looks on a background with the XYZ color 30.8784, 14.3167, 73.8090.



This preview shows how white text looks on a background with the XYZ color 30.8784, 14.3167,

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

30.8784, 14.3167, 73.8090

Deuteranopia

14.9799, 14.9134, 51.3793

Tritanopia

18.5868, 14.6464, 12.6739

Trichromacy



Original Color

30.8784, 14.3167, 73.8090



Deuteranomaly

15.1391, 9.7967, 58.2198



Tritanomaly

20.7191, 12.2804, 27.2649

Monochromacy



Original Color

30.8784, 14.3167, 73.8090



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.9453, 7.3073, 22.6107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8784, 14.3167, 73.8090 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(172, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 227)  
}
```

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(172, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 30.8784, 14.3167, 73.8090 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(172, 0, 227) }
```

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

```
.border{ border-color:rgb(172, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(172, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(172, 0,  
227) }
```


Background

The CSS property to change the background color of an element to XYZ 30.8784, 14.3167, 73.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 227) }
```

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

```
.background{ background-color: rgb(172, 0,  
227) }
```

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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