

Converting Colors

XYZ(30.7440, 16.0288, 75.1188)

Have a look what the booklet for
XYZ(30.7440, 16.0288, 75.1188)
contains.

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Color

**XYZ(30.7486, 16.0568,
74.8774)**

Conversions

Conversions Part 1

Format	Color
Hex	A534E4
RGB	165, 52, 228
RGB Percent	65%, 20%, 89%
CMY	0.3529, 0.7961, 0.1059
CMYK	0.28, 0.77, 0.00, 0.11
HSL	279°, 77%, 55%
HSV	279°, 77%, 89%
XYZ	30.7486, 16.0568, 74.8774
YIQ	105.8510, 10.8520, 78.6920

Conversions

Conversions Part 2

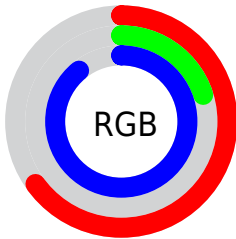
Format	Color
R_{YB}	165, 52, 228
Decimal	10826980
CIE _{Lab}	47.05, 71.48, -67.83
CIE _{LCh}	47, 98.538, 316.501
Yxy	16.0568, 0.2527, 0.1320
Android (android.graphics.Color)	4289017060 (0xFFA534E4)
YUV	105.8510, 60.2195, 51.8737
Hunter-Lab	40.0709, 66.8486, -82.7409

Details

The XYZ color **30.7486, 16.0568, 74.8774** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **35.4338, 59.3799, 12.8432**, and the grayscale version is **13.4984, 14.2014, 15.4653**.

A 20% lighter version of the original color is **54.7858, 34.5964, 98.3980**, and **13.2945, 6.0044, 38.9864** is the 20% darker color. If you saturate the color by 10%, you get **28.3217, 13.6424, 74.5396**, and if you desaturate by 10%, it is **33.7763, 19.5100, 75.3847**.

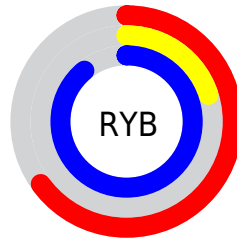
Distribution



Red (65%)

Green (20%)

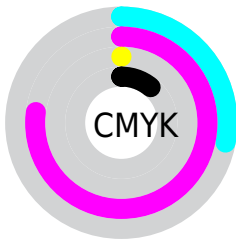
Blue (89%)



Red (65%)

Yellow (20%)

Blue (89%)

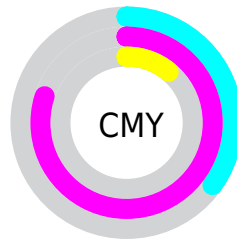


Cyan (28%)

Magenta (77%)

Yellow (0%)

Black (11%)



Cyan (35%)


Magenta (80%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7486, 16.0568, 74.8774 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 30.7486, 16.0568, 74.8774 by changing the saturation by 10% instead.


 30.7486, 16.0568,
74.8774


 30.7486, 16.0568,
74.8774

297.2260,
229.6766, 496.7402


 20.5584, 9.5644,
55.0113


 60.2226, 36.6968,
127.8843

 12.9122, 5.1111,
39.0121

 80.2371, 51.6131,
161.8622

 7.4447, 2.3126,
26.4613


 104.2570, 70.1062,
201.3812

 3.7905, 0.7804,
16.9402

 132.6478, 92.5604,
246.8597

 1.5843, 0.0000,
10.0303

 165.7747,
119.3602, 298.7163

 0.3822, 0.0000,
5.3132

204.0031,

 0.0000, 0.0000,

150.8899, 357.3696

2.3702

247.6985,
187.5339, 423.2380

■ 0.0000, 0.0000,
0.7702

■ 0.0000, 0.0000,
0.0000

■ 30.7486, 16.0568,
74.8774

■ 30.7486, 16.0568,
74.8774

■ 28.3217, 13.6424,
74.5396

■ 33.7763, 19.5100,
75.3847

■ 26.4093, 12.1000,
74.3427

■ 37.4667, 24.1260,
76.0811

■ 25.9268, 11.7481,
74.3002

■ 41.8759, 30.0129,
76.9850

■ 47.0526, 37.2656,
78.1121

■ 53.0411, 45.9698,
79.4766

■ 59.8819, 56.2040,
81.0914

■ 67.6127, 68.0410,
82.9687

■ 76.2687, 81.5488,
85.1198

■ 85.1761, 95.3773,
87.3195

Harmonies

Analogous

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



20.4790, 16.0568, 114.1686



30.7486, 16.0568, 74.8774



37.7641, 16.0568, 31.0954

Triad

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



30.7486, 16.0568, 74.8774



19.4740, 16.0568, 0.0000



4.2367, 16.0568, 34.7622

Complementary

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



30.7486, 16.0568, 74.8774



35.4338, 59.3799, 12.8432

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.



4.1416, 16.0568, 8.5676



30.7486, 16.0568, 74.8774



11.0153, 16.0568, 0.0000

Square

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



30.7486, 16.0568, 74.8774



29.7781, 16.0568, 0.6740



6.1090, 16.0568, 0.9292



6.4491, 16.0568, 79.6185

Rectangle

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



30.7486, 16.0568, 74.8774



38.4116, 16.0568, 12.6338



6.1090, 16.0568, 0.9292



3.9959, 16.0568, 23.4373

Sweetspot

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



30.7494, 16.0574, 74.8778



71.8027, 64.3514, 103.2444



21.7273, 18.9463, 75.9109



14.7069, 12.7910, 21.9437



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.



30.7494, 16.0574, 74.8778



34.8658, 16.2064, 95.8982



44.1865, 23.3357, 59.6386



14.4684, 14.3437, 18.1504



15.1047, 6.8527, 42.9098



1.2166, 0.5582, 3.1756

Inverse Universe

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



36.3178, 20.1882, 18.2026



43.8889, 22.6618, 14.8240



30.4460, 56.7316, 16.0869



14.5891, 14.4528, 16.0364



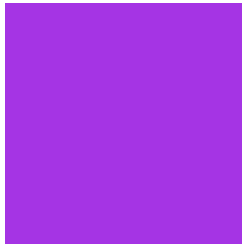
19.3974, 9.8932, 5.7219



1.4765, 0.7483, 0.6499

Previews

White Background



This preview shows how the XYZ color 30.7486, 16.0568, 74.8774 looks on a white background.

Color Contrast Check

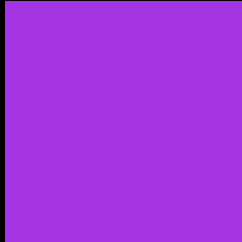
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7486, 16.0568, 74.8774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

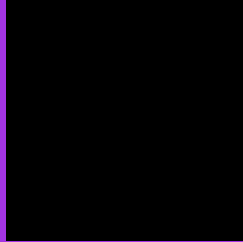
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7486, 16.0568, 74.8774

Background



This preview shows how black text looks on a background with the XYZ color 30.7486, 16.0568, 74.8774.



This preview shows how white text looks on a background with the XYZ color 30.7486, 16.0568,

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

30.7486, 16.0568, 74.8774

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.3261, 16.1581, 56.2912



Tritanopia

18.7927, 16.0050, 16.0087

Trichromacy



Original Color

30.7486, 16.0568, 74.8774



Protanomaly

19.3568, 13.5415, 74.9924



Deuteranomaly

17.2374, 13.0960, 62.5920



Tritanomaly

21.5521, 14.9444, 31.0268

Monochromacy



Original Color

30.7486, 16.0568, 74.8774



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

17.5852, 13.3696, 30.5079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7486, 16.0568, 74.8774 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(165, 52, 228)` looks like.

```
.text, #text, p{  
    color:rgb(165, 52, 228)  
}
```

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(165, 52, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 52, 228) }
```

Border

The CSS property to change the border of an element to XYZ 30.7486, 16.0568, 74.8774 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(165, 52, 228) }
```


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

```
.border{ border-color:rgb(165, 52, 228) }
```

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

Here you see how a box with a 4 pixel rgb(165, 52, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 52, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 52, 228);  
box-shadow:4px 4px 4px 4px rgb(165, 52,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7486, 16.0568, 74.8774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 52, 228) }
```

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

```
.background{ background-color: rgb(165, 52,  
228) }
```

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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