

Converting Colors

XYZ(30.4048, 14.2511, 67.6128)

Have a look what the booklet for
XYZ(30.4048, 14.2511, 67.6128)
contains.

XYZ(30.3666, 14.2410, 67.4780)	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(30.3666, 14.2410,
67.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	AF03DA
RGB	175, 3, 218
RGB Percent	69%, 1%, 85%
CMY	0.3137, 0.9882, 0.1451
CMYK	0.20, 0.99, 0.00, 0.15
HSL	288°, 97%, 43%
HSV	288°, 99%, 85%
XYZ	30.3666, 14.2410, 67.4780
YIQ	78.9380, 33.4970, 103.3290

Conversions

Conversions Part 2

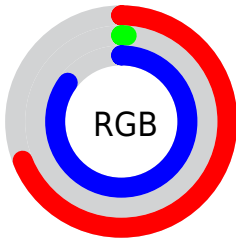
Format	Color
RYB	175, 3, 218
Decimal	11469786
CIELab	44.58, 80.71, -66.07
CIELCh	45, 104.304, 320.694
Yxy	14.2410, 0.2709, 0.1271
Android (android.graphics.Color)	4289659866 (0xFFAF03DA)
YUV	78.9380, 68.5576, 84.2464
Hunter-Lab	37.7372, 77.5961, -79.6004

Details

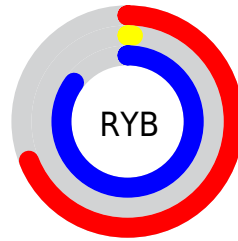
The XYZ color **30.3666, 14.2410, 67.4780** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **26.2152, 50.7307, 8.4968**, and the grayscale version is **7.2901, 7.6698, 8.3524**.

A 20% lighter version of the original color is **55.8833, 32.0269, 97.8442**, and **13.7240, 6.3216, 34.6793** is the 20% darker color. If you saturate the color by 10%, you get **30.1997, 14.1066, 67.4611**, and if you desaturate by 10%, it is **31.6728, 15.3761, 67.6285**.

Distribution



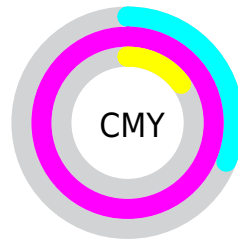
- Red (69%)
- Green (1%)
- Blue (85%)



- Red (69%)
- Yellow (1%)
- Blue (85%)



- Cyan (20%)
- Magenta (99%)
- Yellow (0%)
- Black (15%)





- Cyan (31%)
- Magenta (99%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3666, 14.2410, 67.4780 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 30.3666, 14.2410, 67.4780 by changing the saturation by 10% instead.

 30.3666, 14.2410,
67.4780


 30.3666, 14.2410,
67.4780


295.4888,
218.7250, 470.1921

 20.2665, 8.2885,
49.0092


 59.6241, 33.5160,
117.2522


 12.6983, 4.2801,
34.2611


 79.5122, 47.6073,
149.3947


 7.2967, 1.8314,
22.8153


 103.3936, 65.1804,
186.9320

 3.6963, 0.5067,
14.2531

 131.6338, 86.6195,
230.2829

 1.5318, 0.0000,
8.1562

 164.5981,
112.3091, 279.8658

 0.3473, 0.0000,
4.1058

 202.6517,

 0.0000, 0.0000,

142.6336, 336.0993

1.6836

246.1602,
177.9775, 399.4018

■ 0.0000, 0.0000,
0.3494

■ 0.0000, 0.0000,
0.0000

■ 30.3666, 14.2410,
67.4780

■ 30.3666, 14.2410,
67.4780

■ 30.1997, 14.1066,
67.4611

■ 31.6728, 15.3761,
67.6285

■ 33.3567, 17.2202,
67.8957

■ 35.5064, 19.9480,
68.3089

■ 38.1794, 23.6744,
68.8873

■ 41.4247, 28.4966,
69.6470

■ 45.2851, 34.5002,
70.6024

■ 49.7996, 41.7624,
71.7662

■ 55.0035, 50.3536,
73.1502

■ 60.9296, 60.3391,
74.7652

Harmonies

Analogous

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



20.1150, 14.2410, 112.2109



30.3666, 14.2410, 67.4780



36.6831, 14.2410, 24.2972

Triad

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



30.3666, 14.2410, 67.4780



16.3319, 14.2410, 0.0000



3.3253, 14.2410, 38.3974

Complementary

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



30.3666, 14.2410, 67.4780



26.2152, 50.7307, 8.4968

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.



3.0091, 14.2410, 9.1414



30.3666, 14.2410, 67.4780



8.5746, 14.2410, 0.0000

Square

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



30.3666, 14.2410, 67.4780



26.6309, 14.2410, 0.0000



4.4640, 14.2410, 0.7539



5.6409, 14.2410, 86.3855

Rectangle

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



30.3666, 14.2410, 67.4780



36.5507, 14.2410, 8.3844



4.4640, 14.2410, 0.7539



3.0342, 14.2410, 25.8226

Sweetspot

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



30.3673, 14.2416, 67.4783



69.9034, 57.7329, 102.0670



13.8159, 7.3279, 67.0162



14.3654, 11.3938, 21.6920



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.



30.3673, 14.2416, 67.4783



42.9517, 20.0573, 96.2154



35.0395, 17.4082, 33.4505



13.3460, 13.1365, 16.4843



18.1823, 8.4975, 40.4203



1.2441, 0.5846, 2.6217

Inverse Universe

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



29.4396, 15.1682, 3.9619



41.8376, 21.4990, 5.0767



26.0325, 50.5318, 13.2209



13.1620, 13.0939, 14.1143



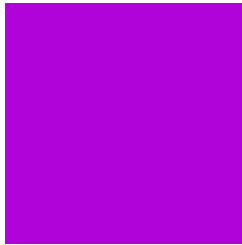
17.6208, 9.0494, 2.3833



1.1725, 0.5986, 0.3174

Previews

White Background



This preview shows how the XYZ color 30.3666, 14.2410, 67.4780 looks on a white background.

Color Contrast Check

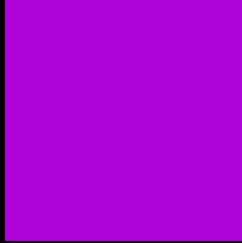
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3666, 14.2410, 67.4780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

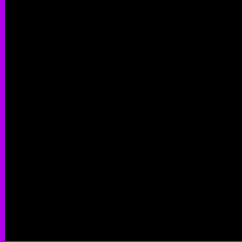
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.3666, 14.2410, 67.4780

Background



This preview shows how black text looks on a background with the XYZ color 30.3666, 14.2410, 67.4780.



This preview shows how white text looks on a background with the XYZ color 30.3666, 14.2410,

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

30.3666, 14.2410, 67.4780

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.8726, 14.6989, 51.3435



Tritanopia

19.0849, 14.4378, 11.9061

Trichromacy



Original Color

30.3666, 14.2410, 67.4780



Protanomaly

16.7764, 10.1663, 67.4077



Deuteranomaly

14.8471, 9.6874, 56.3457



Tritanomaly

21.2635, 12.4599, 25.3290

Monochromacy



Original Color

30.3666, 14.2410, 67.4780



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.1525, 7.5568, 21.9372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3666, 14.2410, 67.4780 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(175, 3, 218)` looks like.

```
.text, #text, p{  
    color:rgb(175, 3, 218)  
}
```

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(175, 3, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 3, 218) }
```

Border

The CSS property to change the border of an element to XYZ 30.3666, 14.2410, 67.4780 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(175, 3, 218) }
```


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

```
.border{ border-color:rgb(175, 3, 218) }
```

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

Here you see how a box with a 4 pixel rgb(175, 3, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 3, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 3, 218);  
box-shadow:4px 4px 4px 4px rgb(175, 3,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3666, 14.2410, 67.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 3, 218) }
```

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

```
.background{ background-color: rgb(175, 3,  
218) }
```

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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