

Converting Colors

XYZ(30.2510, 14.1519, 66.6125)

Have a look what the booklet for
XYZ(30.2510, 14.1519, 66.6125)
contains.

XYZ(30.2036, 14.1237, 66.7799)	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(30.2036, 14.1237,
66.7799)**

Conversions

Conversions Part 1

Format	Color
Hex	AF00D9
RGB	175, 0, 217
RGB Percent	69%, 0%, 85%
CMY	0.3137, 1.0000, 0.1490
CMYK	0.19, 1.00, 0.00, 0.15
HSL	288°, 100%, 43%
HSV	288°, 100%, 85%
XYZ	30.2036, 14.1237, 66.7799
YIQ	77.0630, 34.6430, 104.5870

Conversions

Conversions Part 2

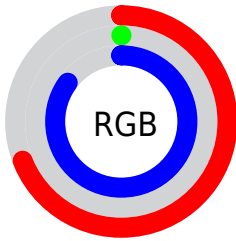
Format	Color
RYB	175, 0, 217
Decimal	11469017
CIELab	44.41, 80.81, -65.77
CIELCh	44, 104.195, 320.859
Yxy	14.1237, 0.2718, 0.1271
Android (android.graphics.Color)	4289659097 (0xFFAF00D9)
YUV	77.0630, 68.9889, 85.8907
Hunter-Lab	37.5815, 77.6897, -79.0474

Details

The XYZ color **30.2036, 14.1237, 66.7799** 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 **25.7682, 50.1184, 8.3160**, and the grayscale version is **6.9387, 7.3001, 7.9498**.

A 20% lighter version of the original color is **55.8007, 31.8616, 97.8166**, and **13.6355, 6.2862, 34.2129** is the 20% darker color. If you saturate the color by 10%, you get **30.2037, 14.1238, 66.7802**, and if you desaturate by 10%, it is **31.4431, 15.1805, 66.9188**.

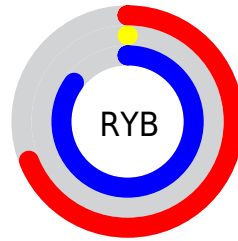
Distribution



Red (69%)

Green (0%)

Blue (85%)



Red (69%)

Yellow (0%)

Blue (85%)

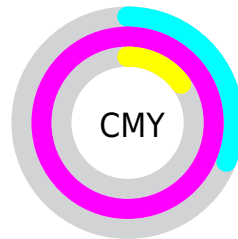


Cyan (19%)

Magenta (100%)

Yellow (0%)

Black (15%)



Cyan (31%)


Magenta (100%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2036, 14.1237, 66.7799 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 30.2036, 14.1237, 66.7799 by changing the saturation by 10% instead.


 30.2036, 14.1237,
66.7799


 30.2036, 14.1237,
66.7799


294.7452,
217.9990, 467.6411

 20.1420, 8.2068,
48.4453


 59.3684, 33.3084,
116.2426

 12.6072, 4.2275,
33.8172


 79.2024, 47.3448,
148.2078

 7.2337, 1.8016,
22.4770


 103.0245, 64.8566,
185.5537

 3.6563, 0.4882,
14.0061

 131.2002, 86.2281,
228.6987

 1.5096, 0.0000,
7.9861

 164.0947,
111.8437, 278.0614

 0.3324, 0.0000,
3.9984

 202.0735,

 0.0000, 0.0000,

142.0878, 334.0603

1.6245

245.5018,
177.3448, 397.1140

■ 0.0000, 0.0000,
0.3082

■ 0.0000, 0.0000,
0.0000

■ 30.2036, 14.1237,
66.7799

■ 30.2036, 14.1237,
66.7799

■ 30.2037, 14.1238,
66.7802

■ 31.4431, 15.1805,
66.9188

■ 33.0276, 16.8843,
67.1641

■ 35.0623, 19.4441,
67.5510

■ 37.6056, 22.9763,
68.0987

■ 40.7067, 27.5791,
68.8237

■ 44.4087, 33.3386,
69.7403

■ 48.7506, 40.3318,
70.8613

■ 53.7677, 48.6293,
72.1984

■ 59.4927, 58.2963,
73.7626

Harmonies

Analogous

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



20.0188, 14.1237, 111.3857



30.2036, 14.1237, 66.7799



36.4484, 14.1237, 23.9369

Triad

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



30.2036, 14.1237, 66.7799



16.1504, 14.1237, 0.0000



3.2943, 14.1237, 38.3613

Complementary

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



30.2036, 14.1237, 66.7799



25.7682, 50.1184, 8.3160

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.



2.9716, 14.1237, 9.1500



30.2036, 14.1237, 66.7799



8.4647, 14.1237, 0.0000

Square

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



30.2036, 14.1237, 66.7799



26.3822, 14.1237, 0.0000



4.4031, 14.1237, 0.7549



5.6049, 14.1237, 86.1319

Rectangle

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



30.2036, 14.1237, 66.7799



36.2852, 14.1237, 8.2190



4.4031, 14.1237, 0.7549



3.0025, 14.1237, 25.8152

Sweetspot

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



30.2043, 14.1243, 66.7802



70.0710, 57.8193, 102.0748



13.4034, 6.7675, 66.2457



14.4058, 11.4146, 21.6939



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.



30.2043, 14.1243, 66.7802



43.4052, 20.2911, 96.2366



34.2751, 17.0159, 31.1423



13.3546, 13.1409, 16.4847



18.3697, 8.5941, 40.4290



1.2547, 0.5901, 2.6222

Inverse Universe

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



29.0336, 14.9192, 3.5408



41.8019, 21.4848, 4.8889



25.7704, 50.0089, 13.3119



13.1585, 13.0925, 14.0960



17.6046, 9.0429, 2.2980



1.1709, 0.5980, 0.3088

Previews

White Background



This preview shows how the XYZ color 30.2036, 14.1237, 66.7799 looks on a white background.

Color Contrast Check

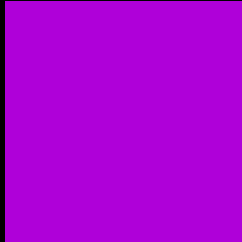
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2036, 14.1237, 66.7799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

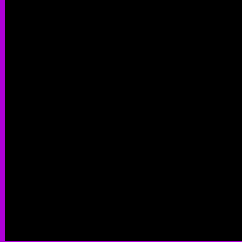
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.2036, 14.1237, 66.7799

Background



This preview shows how black text looks on a background with the XYZ color 30.2036, 14.1237, 66.7799.



This preview shows how white text looks on a background with the XYZ color 30.2036, 14.1237,

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

30.2036, 14.1237, 66.7799

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.8726, 14.6989, 51.3435



Tritanopia

19.0415, 14.4204, 11.6774

Trichromacy



Original Color

30.2036, 14.1237, 66.7799



Protanomaly

16.7175, 10.0484, 67.3881



Deuteranomaly

14.6678, 9.5164, 55.7073



Tritanomaly

21.1444, 12.3370, 24.9338

Monochromacy



Original Color

30.2036, 14.1237, 66.7799



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.8046, 7.2658, 21.2023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2036, 14.1237, 66.7799 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, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 217)  
}
```

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, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.2036, 14.1237, 66.7799 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, 0, 217) }
```


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

```
.border{ border-color:rgb(175, 0, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 0, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2036, 14.1237, 66.7799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 217) }
```

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

```
.background{ background-color: rgb(175, 0,  
217) }
```

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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