

# Converting Colors

XYZ(14.3346, 6.6246, 35.2768)

Have a look what the booklet for  
XYZ(14.3346, 6.6246, 35.2768)  
contains.

<b>XYZ(14.3566, 6.6374, 35.1748)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(14.3566, 6.6374,  
35.1748)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7800A3
RGB	120, 0, 163
RGB Percent	47%, 0%, 64%
CMY	0.5294, 1.0000, 0.3608
CMYK	0.26, 1.00, 0.00, 0.36
HSL	284°, 100%, 32%
HSV	284°, 100%, 64%
XYZ	14.3566, 6.6374, 35.1748
YIQ	54.4620, 19.1970, 76.1330

# Conversions

## Conversions Part 2

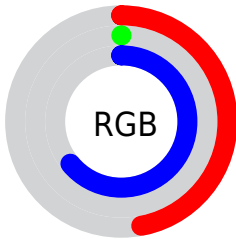
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 0, 163
Decimal	7864483
CIE <sub>Lab</sub>	30.97, 63.84, -56.25
CIE <sub>LCh</sub>	31, 85.088, 318.614
Yxy	6.6374, 0.2556, 0.1182
Android (android.graphics.Color)	4286054563 (0xFF7800A3)
YUV	54.4620, 53.5092, 57.4768
Hunter-Lab	25.7632, 54.3842, -62.9153

# Details

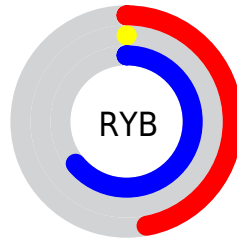
The XYZ color **14.3566, 6.6374, 35.1748** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.0935, 26.7081, 4.4124**, and the grayscale version is **3.4980, 3.6801, 4.0077**.

A 20% lighter version of the original color is **33.3002, 19.2267, 68.9738**, and **4.9288, 2.2158, 14.9198** is the 20% darker color. If you saturate the color by 10%, you get **14.3568, 6.6375, 35.1749**, and if you desaturate by 10%, it is **15.1566, 7.3316, 35.2668**.

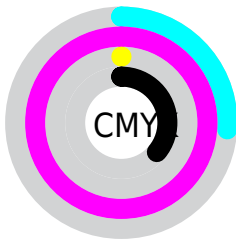
# Distribution



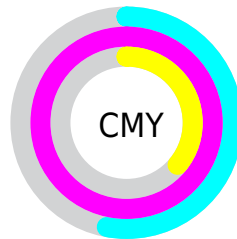
- Red (47%)
- Green (0%)
- Blue (64%)



- Red (47%)
- Yellow (0%)
- Blue (64%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)




- Cyan (53%)
- Magenta (100%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3566, 6.6374, 35.1748 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 14.3566, 6.6374, 35.1748 by changing the saturation by 10% instead.




 14.3566, 6.6374,  
35.1748


 14.3566, 6.6374,  
35.1748


212.9046,  
164.6158, 340.2669


 8.4525, 3.2364,  
23.5129


 33.3014, 19.2400,  
68.9111


 4.4400, 1.2564,  
14.7639


 47.0729, 29.2103,  
91.8226


 1.9540, 0.1070,  
8.5090


 64.1974, 42.1392,  
119.3211

 0.6079, 0.0000,  
4.3300

 85.0404, 58.4110,  
151.8251

 0.0000, 0.0000,  
1.8080

 109.9673, 78.4102,  
189.7531


 0.0000, 0.0000,  
0.4333

 139.3434,

 0.0000, 0.0000,


102.5212, 233.5237

0.0000

 173.5341,  
131.1282, 283.5555


 14.3566, 6.6374,  
35.1748


 14.3566, 6.6374,  
35.1748


 14.3568, 6.6375,  
35.1749

 15.1566, 7.3316,  
35.2668

 16.1367, 8.3462,  
35.4109

 17.3625, 9.8114,  
35.6291

 18.8625, 11.7837,  
35.9308

 20.6608, 14.3110,  
36.3238

■ 22.7789, 17.4357,  
36.8153

■ 25.2361, 21.1958,  
37.4116

■ 28.0501, 25.6265,  
38.1185

■ 31.2373, 30.7599,  
38.9413

# Harmonies

## Analogous

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



9.2035, 6.6374, 57.4524



14.3566, 6.6374, 35.1748



17.7611, 6.6374, 12.7222

# Triad

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



14.3566, 6.6374, 35.1748



8.0130, 6.6374, 0.0000



1.3742, 6.6374, 17.2099

# Complementary

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



14.3566, 6.6374, 35.1748



14.0935, 26.7081, 4.4124

# 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.



1.2823, 6.6374, 3.5979



14.3566, 6.6374, 35.1748



4.0950, 6.6374, 0.0000

# Square

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



14.3566, 6.6374, 35.1748



13.1645, 6.6374, 0.0000



2.0247, 6.6374, 0.0000



2.3756, 6.6374, 41.3350



# Rectangle

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



14.3566, 6.6374, 35.1748



17.8947, 6.6374, 4.3238



2.0247, 6.6374, 0.0000



1.2594, 6.6374, 11.2041

# Sweetspot

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



14.3570, 6.6376, 35.1750



44.9337, 37.5531, 66.9363



7.4919, 4.4064, 35.1061



9.6815, 7.8015, 14.9331



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.3570, 6.6376, 35.1750



25.5146, 11.7856, 62.9862



18.8039, 9.2665, 20.1887



7.1812, 7.1078, 8.8965



11.2022, 5.1814, 27.3395



0.2760, 0.1298, 0.5764



# Inverse Universe

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



15.5404, 7.9610, 3.0031



27.7603, 14.2290, 5.0032



13.4477, 26.3347, 6.2111



7.1469, 7.1152, 7.7601



12.0942, 6.1938, 2.4209



0.2725, 0.1375, 0.1474



# Previews

## White Background



This preview shows how the XYZ color 14.3566, 6.6374, 35.1748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

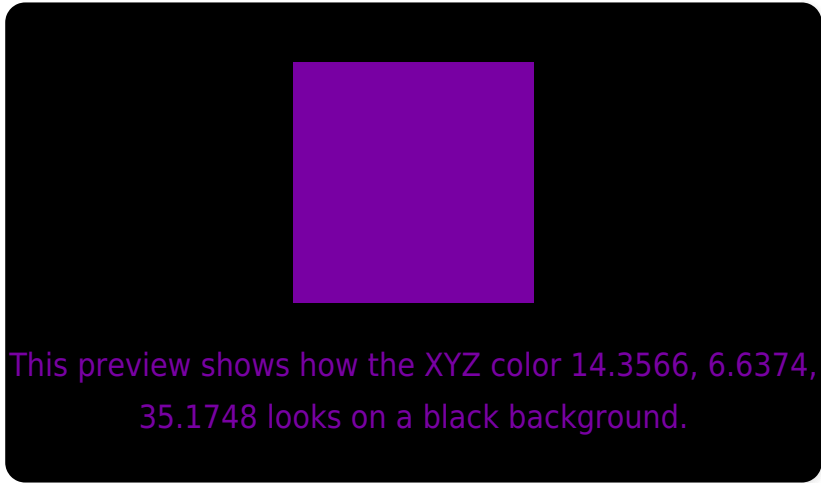
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

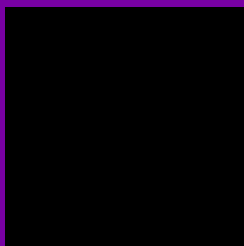
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 14.3566, 6.6374, 35.1748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.3566, 6.6374, 35.1748.



This preview shows how white text looks on a background with the XYZ color 14.3566, 6.6374,



# 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

14.3566, 6.6374, 35.1748

### Protanopia

8.2153, 7.0982, 31.5089

### Deuteranopia

7.0275, 7.1700, 23.5678



## Tritanopia

8.7333, 7.0997, 6.5403

# Trichromacy



## Original Color

14.3566, 6.6374, 35.1748

## Protanomaly

8.1015, 4.9238, 32.4217

## Deuteranomaly

7.2901, 4.8610, 27.3421

## Tritanomaly

9.6715, 5.8801, 13.4572

# Monochromacy



## Original Color

14.3566, 6.6374, 35.1748

## Achromatopsia

3.5063, 3.6889, 4.0173

## Achromatomaly

5.7343, 3.5719, 10.9769

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.3566, 6.6374, 35.1748 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(120, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 163)  
}
```

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(120, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 14.3566, 6.6374, 35.1748 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(120, 0, 163) }
```



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

```
.border{ border-color:rgb(120, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 14.3566, 6.6374, 35.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 163) }
```

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

```
.background{ background-color: rgb(120, 0,  
163) }
```

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