

Converting Colors

XYZ(15.0657, 6.9742, 36.5084)

Have a look what the booklet for
XYZ(15.0657, 6.9742, 36.5084)
contains.

XYZ(15.0513, 6.9641, 36.6273)	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(15.0513, 6.9641,
36.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	7B00A6
RGB	123, 0, 166
RGB Percent	48%, 0%, 65%
CMY	0.5176, 1.0000, 0.3490
CMYK	0.26, 1.00, 0.00, 0.35
HSL	284°, 100%, 33%
HSV	284°, 100%, 65%
XYZ	15.0513, 6.9641, 36.6273
YIQ	55.7010, 20.0220, 77.7020

Conversions

Conversions Part 2

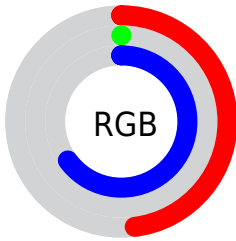
Format	Color
R_{YB}	123, 0, 166
Decimal	8061094
CIE _{Lab}	31.73, 64.80, -56.81
CIE _{LCh}	32, 86.175, 318.758
Yxy	6.9641, 0.2567, 0.1188
Android (android.graphics.Color)	4286251174 (0xFF7B00A6)
YUV	55.7010, 54.3774, 59.0212
Hunter-Lab	26.3896, 55.6257, -63.8186

Details

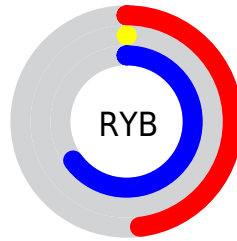
The XYZ color **15.0513, 6.9641, 36.6273** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **14.6326, 27.7862, 4.5921**, and the grayscale version is **3.6519, 3.8420, 4.1840**.

A 20% lighter version of the original color is **34.4560, 19.8748, 71.1274**, and **5.2954, 2.3855, 15.8041** is the 20% darker color. If you saturate the color by 10%, you get **15.0515, 6.9642, 36.6274**, and if you desaturate by 10%, it is **15.8747, 7.6771, 36.7217**.

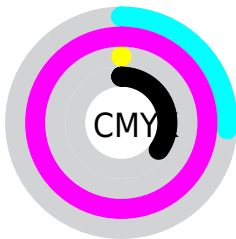
Distribution



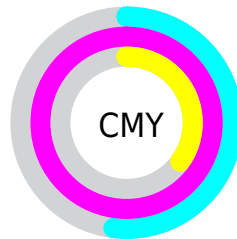
- Red (48%)
- Green (0%)
- Blue (65%)



- Red (48%)
- Yellow (0%)
- Blue (65%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (52%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0513, 6.9641, 36.6273 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 15.0513, 6.9641, 36.6273 by changing the saturation by 10% instead.

15.0513, 6.9641,
36.6273

15.0513, 6.9641,
36.6273

217.0587,
167.3651, 346.8141

8.9419, 3.4397,
24.6255

34.5141, 19.9010,
71.1791

4.7601, 1.3653,
15.5818

48.5982, 30.0822,
94.5662

2.1405, 0.1910,
9.0776

66.0713, 43.2511,
122.5856

0.7111, 0.0000,
4.6943

87.2987, 59.7921,
155.6556

0.0000, 0.0000,
2.0135

112.6458, 80.0896,
194.1950


0.0000, 0.0000,
0.5635


142.4779,


0.0000, 0.0000,


104.5280, 238.6221

0.0000

 177.1605,
133.4917, 289.3557


 15.0513, 6.9641,
36.6273


 15.0513, 6.9641,
36.6273


 15.0515, 6.9642,
36.6274

 15.8747, 7.6771,
36.7217

 16.8860, 8.7257,
36.8708

 18.1525, 10.2436,
37.0970

 19.7040, 12.2899,
37.4102

 21.5659, 14.9147,
37.8187

■ 23.7604, 18.1625,
38.3299

■ 26.3078, 22.0730,
38.9505

■ 29.2266, 26.6829,
39.6864

■ 32.5339, 32.0260,
40.5434

Harmonies

Analogous

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



9.6707, 6.9641, 59.9059



15.0513, 6.9641, 36.6273



18.5896, 6.9641, 13.2402

Triad

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



15.0513, 6.9641, 36.6273



8.3770, 6.9641, 0.0000



1.4537, 6.9641, 18.1133

Complementary

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



15.0513, 6.9641, 36.6273



14.6326, 27.7862, 4.5921

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.



1.3534, 6.9641, 3.8219



15.0513, 6.9641, 36.6273



4.2883, 6.9641, 0.0000

Square

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



15.0513, 6.9641, 36.6273



13.7570, 6.9641, 0.0000



2.1276, 6.9641, 0.0000



2.5103, 6.9641, 43.3063

Rectangle

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



15.0513, 6.9641, 36.6273



18.7145, 6.9641, 4.5030



2.1276, 6.9641, 0.0000



1.3318, 6.9641, 11.8192

Sweetspot

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



15.0517, 6.9644, 36.6275



47.4700, 39.6306, 70.6228



7.7937, 4.5747, 36.5487



10.1888, 8.1972, 15.6973



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.0517, 6.9644, 36.6275



27.1104, 12.5329, 66.4655



19.5742, 9.6464, 21.0005



7.6494, 7.5674, 9.4758



11.7168, 5.4237, 28.4048



0.3288, 0.1545, 0.6931

Inverse Universe

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



16.1620, 8.2815, 3.0323



29.2584, 15.0004, 5.1132



13.9981, 27.4173, 6.4509



7.6079, 7.5730, 8.2525



12.5495, 6.4285, 2.4395



0.3256, 0.1645, 0.1663

Previews

White Background



This preview shows how the XYZ color 15.0513, 6.9641, 36.6273 looks on a white background.

Color Contrast Check

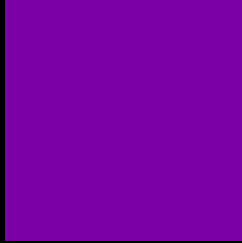
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.0513, 6.9641, 36.6273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

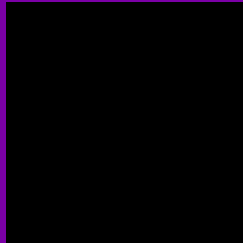
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0513, 6.9641, 36.6273

Background



This preview shows how black text looks on a background with the XYZ color 15.0513, 6.9641, 36.6273.



This preview shows how white text looks on a background with the XYZ color 15.0513, 6.9641,

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

15.0513, 6.9641, 36.6273

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.3113, 7.3981, 24.7095



Tritanopia

9.1801, 7.4109, 6.7410

Trichromacy



Original Color

15.0513, 6.9641, 36.6273

Protanomaly

8.5722, 5.2450, 34.2788

Deuteranomaly

7.5681, 4.9772, 28.5788

Tritanomaly

10.1528, 6.1165, 14.0101

Monochromacy



Original Color

15.0513, 6.9641, 36.6273

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.0505, 3.8118, 11.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0513, 6.9641, 36.6273 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(123, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(123, 0, 166)  
}
```

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(123, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.0513, 6.9641, 36.6273 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(123, 0, 166) }
```


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

```
.border{ border-color:rgb(123, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(123, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(123, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0513, 6.9641, 36.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 0, 166) }
```

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

```
.background{ background-color: rgb(123, 0,  
166) }
```

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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