

Converting Colors

XYZ(16.3423, 7.9677, 30.6481)

Have a look what the booklet for
XYZ(16.3423, 7.9677, 30.6481)
contains.

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Color

**XYZ(16.3625, 7.9661,
30.8122)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0C99
RGB	138, 12, 153
RGB Percent	54%, 5%, 60%
CMY	0.4588, 0.9529, 0.4000
CMYK	0.10, 0.92, 0.00, 0.40
HSL	294°, 85%, 32%
HSV	294°, 92%, 60%
XYZ	16.3625, 7.9661, 30.8122
YIQ	65.7480, 29.8350, 70.5630

Conversions

Conversions Part 2

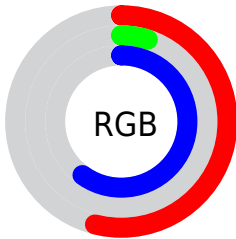
Format	Color
R_{YB}	138, 12, 153
Decimal	9047193
CIE _{Lab}	33.91, 63.01, -45.25
CIE _{LCh}	34, 77.573, 324.315
Yxy	7.9661, 0.2967, 0.1445
Android (android.graphics.Color)	4287237273 (0xFF8A0C99)
YUV	65.7480, 43.0152, 63.3650
Hunter-Lab	28.2243, 54.0896, -44.9694

Details

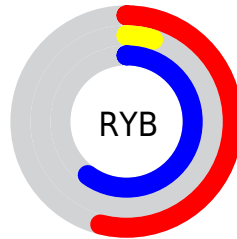
The XYZ color **16.3625, 7.9661, 30.8122** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.9098, 23.0422, 4.1679**, and the grayscale version is **5.0726, 5.3367, 5.8117**.

A 20% lighter version of the original color is **36.7595, 21.8935, 61.9629**, and **5.9162, 2.7786, 12.5364** is the 20% darker color. If you saturate the color by 10%, you get **16.0212, 7.5950, 30.7587**, and if you desaturate by 10%, it is **16.9016, 8.6412, 30.9142**.

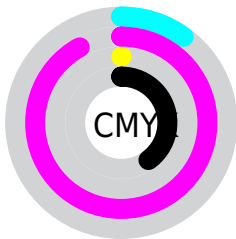
Distribution



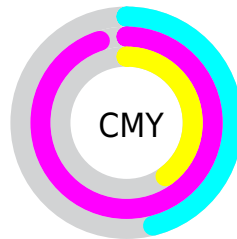
- Red (54%)
- Green (5%)
- Blue (60%)



- Red (54%)
- Yellow (5%)
- Blue (60%)



- Cyan (10%)
- Magenta (92%)
- Yellow (0%)
- Black (40%)





- Cyan (46%)
- Magenta (95%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3625, 7.9661, 30.8122 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 16.3625, 7.9661, 30.8122 by changing the saturation by 10% instead.


 16.3625, 7.9661,
30.8122


 16.3625, 7.9661,
30.8122


224.6999,
175.4659, 319.9966

 9.8735, 4.0733,
20.1986


 36.7788, 21.8920,
62.0204

 5.3768, 1.7146,
12.3540


 51.4368, 32.6938,
83.4521

 2.5070, 0.4331,
6.8598


 69.5484, 46.5674,
109.3269

 0.8988, 0.0000,
3.2975

 91.4792, 63.8971,
140.0633

 0.0000, 0.0000,
1.2484

 117.5944, 85.0675,
176.0800

 0.0000, 0.0000,
0.0190

 148.2593,

 0.0000, 0.0000,

110.4628, 217.7954

0.0000

183.8394,
140.4674, 265.6281

16.3625, 7.9661,
30.8122

16.3625, 7.9661,
30.8122

16.0212, 7.5950,
30.7587

16.9016, 8.6412,
30.9142

17.6277, 9.6845,
31.0773

18.5659, 11.1460,
31.3100

19.7372, 13.0678,
31.6192

21.1602, 15.4867,
32.0111

■ 22.8514, 18.4360,
32.4912

■ 24.8260, 21.9459,
33.0646

■ 27.0979, 26.0444,
33.7360

■ 29.6804, 30.7576,
34.5096

Harmonies

Analogous

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



11.4694, 7.9661, 52.4169



16.3625, 7.9661, 30.8122



18.9955, 7.9661, 11.2109

Triad

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



16.3625, 7.9661, 30.8122



8.4122, 7.9661, 0.0000



2.2917, 7.9661, 22.3604

Complementary

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



16.3625, 7.9661, 30.8122



11.9098, 23.0422, 4.1679

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.



1.9960, 7.9661, 6.5515



16.3625, 7.9661, 30.8122



4.6751, 7.9661, 0.0000

Square

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



16.3625, 7.9661, 30.8122



13.4245, 7.9661, 0.0000



2.6772, 7.9661, 0.9242



3.7284, 7.9661, 45.0799

Rectangle

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



16.3625, 7.9661, 30.8122



18.6030, 7.9661, 4.0706



2.6772, 7.9661, 0.9242



2.0853, 7.9661, 15.8622

Sweetspot

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



16.3629, 7.9664, 30.8124



42.1370, 35.1606, 58.5378



6.3277, 3.2304, 30.4271



9.0092, 7.2425, 12.8406



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3629, 7.9664, 30.8124



28.5980, 13.5533, 55.0807



15.5184, 7.9354, 12.5063



6.3965, 6.2903, 7.8060



13.2579, 6.2857, 25.4222



0.2143, 0.1023, 0.3808

Inverse Universe

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



13.4664, 7.1146, 1.7008



23.6635, 12.1832, 1.8216



12.5280, 23.2548, 8.9910



6.2342, 6.2328, 6.6133



10.9430, 5.6315, 0.9592



0.1697, 0.0867, 0.0467

Previews

White Background



This preview shows how the XYZ color 16.3625, 7.9661, 30.8122 looks on a white background.

Color Contrast Check

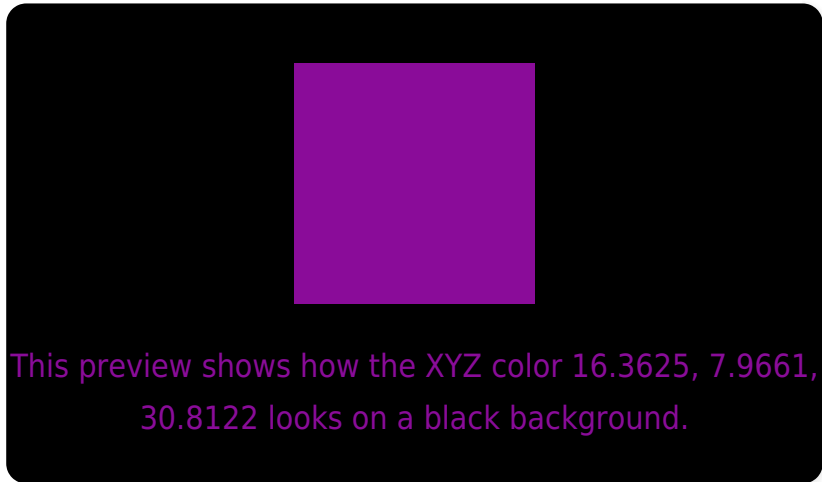
Large Text (above 18pt) WCAG AA ✓ Pass

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

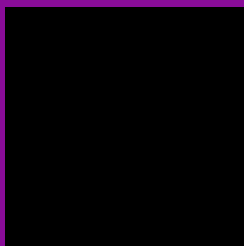
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3625, 7.9661, 30.8122

Background



This preview shows how black text looks on a background with the XYZ color 16.3625, 7.9661, 30.8122.



This preview shows how white text looks on a background with the XYZ color 16.3625, 7.9661, 30.8122.

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

16.3625, 7.9661, 30.8122

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.5793, 8.4331, 27.5611



Tritanopia

11.3753, 8.2312, 5.9903

Trichromacy



Original Color

16.3625, 7.9661, 30.8122



Protanomaly

9.2032, 6.0191, 34.8592



Deuteranomaly

9.0443, 6.2261, 28.3288



Tritanomaly

12.3816, 7.4161, 12.0881

Monochromacy



Original Color

16.3625, 7.9661, 30.8122



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

7.5952, 5.1111, 12.1415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3625, 7.9661, 30.8122 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(138, 12, 153)` looks like.

```
.text, #text, p{  
    color:rgb(138, 12, 153)  
}
```

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(138, 12, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 12, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.3625, 7.9661, 30.8122 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(138, 12, 153) }
```


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

```
.border{ border-color:rgb(138, 12, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 12, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 12, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 12, 153); box-shadow:4px 4px 4px 4px rgb(138, 12, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3625, 7.9661, 30.8122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 12, 153) }
```

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

```
.background{ background-color: rgb(138, 12,  
153) }
```

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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