

Converting Colors

XYZ(16.2135, 10.1328, 33.0013)

Have a look what the booklet for
XYZ(16.2135, 10.1328, 33.0013)
contains.

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Color

**XYZ(16.2120, 10.1318,
32.9995)**

Conversions

Conversions Part 1

Format	Color
Hex	7D3D9D
RGB	125, 61, 157
RGB Percent	49%, 24%, 62%
CMY	0.5098, 0.7608, 0.3843
CMYK	0.20, 0.61, 0.00, 0.38
HSL	280°, 44%, 43%
HSV	280°, 61%, 62%
XYZ	16.2120, 10.1318, 32.9995
YIQ	91.0800, 7.3280, 43.4240

Conversions

Conversions Part 2

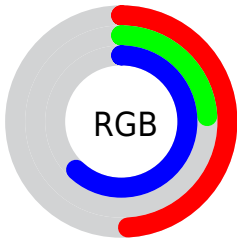
Format	Color
R _Y B	125, 61, 157
Decimal	8207773
CIE Lab	38.08, 44.20, -41.10
CIE LCh	38, 60.356, 317.076
Yxy	10.1318, 0.2732, 0.1707
Android (android.graphics.Color)	4286397853 (0xFF7D3D9D)
YUV	91.0800, 32.4986, 29.7478
Hunter-Lab	31.8305, 35.2108, -39.1862

Details

The XYZ color **16.2120, 10.1318, 32.9995** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **17.4138, 26.7783, 8.6662**, and the grayscale version is **9.8898, 10.4049, 11.3309**.

A 20% lighter version of the original color is **36.5002, 26.0451, 65.3908**, and **5.2874, 2.5279, 13.5739** is the 20% darker color. If you saturate the color by 10%, you get **14.7495, 8.3108, 32.7253**, and if you desaturate by 10%, it is **17.9610, 12.4650, 33.3578**.

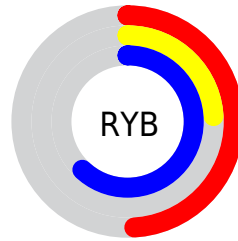
Distribution



Red (49%)

Green (24%)

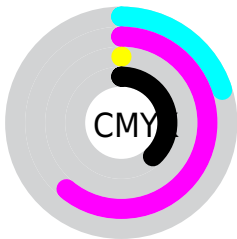
Blue (62%)



Red (49%)

Yellow (24%)

Blue (62%)

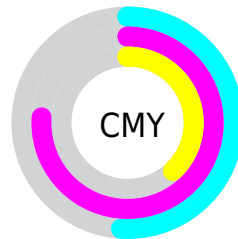


Cyan (20%)

Magenta (61%)

Yellow (0%)

Black (38%)



Cyan (51%)

Magenta (76%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2120, 10.1318, 32.9995 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 16.2120, 10.1318, 32.9995 by changing the saturation by 10% instead.

■ 16.2120, 10.1318,
32.9995

■ 16.2120, 10.1318,
32.9995

223.8353,
191.6102, 330.2794

■ 9.7661, 5.4864,
21.8549

■ 36.5203, 26.0431,
65.4908

■ 5.3052, 2.5354,
13.5531

■ 51.1135, 38.0778,
87.6745

■ 2.4640, 0.8943,
7.6753

■ 69.1531, 53.3445,
114.3751

■ 0.8772, 0.0000,
3.8031

■ 91.0045, 72.2274,
146.0111

■ 0.0000, 0.0000,
1.5180

■ 117.0331, 95.1111,
183.0010

■ 0.0000, 0.0000,
0.2313

■ 147.6042,

■ 0.0000, 0.0000,

122.3798, 225.7633

0.0000

183.0831,
154.4181, 274.7166

■ 16.2120, 10.1318,
32.9995

■ 16.2120, 10.1318,
32.9995

■ 14.7495, 8.3108,
32.7253

■ 17.9610, 12.4650,
33.3578

■ 13.5494, 6.9563,
32.5271

■ 20.0152, 15.3484,
33.8061

■ 12.5854, 6.0162,
32.3964

■ 22.3931, 18.8177,
34.3505

■ 11.8726, 5.4175,
32.3184

■ 25.1113, 22.9053,
34.9962

■ 28.1852, 27.6409,
35.7482

■ 31.6291, 33.0527,
36.6113

■ 35.4566, 39.1667,
37.5897

■ 39.6805, 46.0079,
38.6875

■ 44.3130, 53.5999,
39.9088

Harmonies

Analogous

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



11.9978, 10.1318, 46.7980



16.2120, 10.1318, 32.9995



18.9160, 10.1318, 16.5506

Triad

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



16.2120, 10.1318, 32.9995



11.4018, 10.1318, 0.4771



4.1031, 10.1318, 18.5944

Complementary

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



16.2120, 10.1318, 32.9995



17.4138, 26.7783, 8.6662

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.



4.0242, 10.1318, 6.9005



16.2120, 10.1318, 32.9995



7.5961, 10.1318, 0.5562

Square

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



16.2120, 10.1318, 32.9995



15.6757, 10.1318, 1.6053



5.1252, 10.1318, 1.9285



5.3810, 10.1318, 35.3311

Rectangle

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



16.2120, 10.1318, 32.9995



19.1246, 10.1318, 8.5975



5.1252, 10.1318, 1.9285



3.9505, 10.1318, 13.8870

Sweetspot

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



16.2124, 10.1322, 32.9997



46.4467, 43.2750, 63.0316



11.9250, 11.2556, 33.4425



9.9044, 9.0397, 13.7932



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.2124, 10.1322, 32.9997



25.6643, 14.0051, 58.4773



20.3814, 12.4290, 26.5245



6.6892, 6.6437, 8.3365



9.6830, 4.4208, 26.2502



0.2161, 0.1012, 0.4714

Inverse Universe

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



17.5495, 11.2963, 11.6117



28.8072, 16.5915, 14.9733



15.3213, 25.6421, 11.1635



6.7197, 6.6808, 7.3751



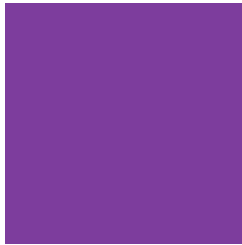
11.8184, 6.0319, 3.2945



0.2299, 0.1153, 0.1566

Previews

White Background



This preview shows how the XYZ color 16.2120, 10.1318, 32.9995 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 16.2120, 10.1318, 32.9995 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 16.2120, 10.1318, 32.9995

Background



This preview shows how black text looks on a background with the XYZ color 16.2120, 10.1318, 32.9995.



This preview shows how white text looks on a background with the XYZ color 16.2120, 10.1318,

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

16.2120, 10.1318, 32.9995

Protanopia

12.1691, 10.3454, 46.1552

Deuteranopia

10.5459, 10.3449, 30.7191



Tritanopia

11.6022, 10.1504, 10.3645

Trichromacy



Original Color

16.2120, 10.1318, 32.9995

Protanomaly

11.9953, 9.3455, 41.2160

Deuteranomaly

11.5989, 9.5737, 31.3736

Tritanomaly

12.8446, 9.9190, 16.5668

Monochromacy



Original Color

16.2120, 10.1318, 32.9995

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.5567, 9.8587, 17.5135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2120, 10.1318, 32.9995 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(125, 61, 157)` looks like.

```
.text, #text, p{  
    color:rgb(125, 61, 157)  
}
```

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(125, 61, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 61, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.2120, 10.1318, 32.9995 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(125, 61, 157) }
```


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

```
.border{ border-color:rgb(125, 61, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 61, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 61, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 61, 157);  
box-shadow:4px 4px 4px 4px rgb(125, 61,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2120, 10.1318, 32.9995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 61, 157) }
```

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

```
.background{ background-color: rgb(125, 61,  
157) }
```

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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