

Converting Colors

XYZ(16.6249, 12.9055, 32.0772)

Have a look what the booklet for
XYZ(16.6249, 12.9055, 32.0772)
contains.

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Color

**XYZ(16.7121, 13.0010,
32.2005)**

Conversions

Conversions Part 1

Format	Color
Hex	76579A
RGB	118, 87, 154
RGB Percent	46%, 34%, 60%
CMY	0.5372, 0.6588, 0.3961
CMYK	0.23, 0.44, 0.00, 0.40
HSL	268°, 28%, 47%
HSV	268°, 44%, 60%
XYZ	16.7121, 13.0010, 32.2005
YIQ	103.9070, -3.0310, 27.4090

Conversions

Conversions Part 2

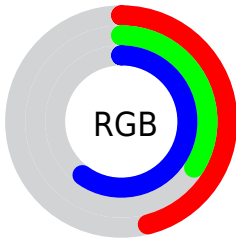
Format	Color
RYB	118, 87, 154
Decimal	7755674
CIELab	42.76, 26.82, -31.93
CIELCh	43, 41.698, 310.026
Yxy	13.0010, 0.2699, 0.2100
Android (android.graphics.Color)	4285945754 (0xFF76579A)
YUV	103.9070, 24.6958, 12.3596
Hunter-Lab	36.0569, 19.6338, -27.7089

Details

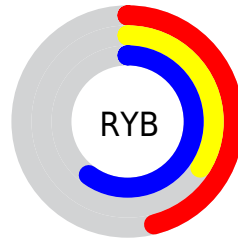
The XYZ color **16.7121, 13.0010, 32.2005** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.4446, 28.0106, 13.2936**, and the grayscale version is **13.0703, 13.7510, 14.9748**.

A 20% lighter version of the original color is **37.2489, 31.1527, 64.3714**, and **5.5060, 3.7385, 13.0018** is the 20% darker color. If you saturate the color by 10%, you get **14.5210, 10.2141, 31.7783**, and if you desaturate by 10%, it is **19.2688, 16.3718, 32.7166**.

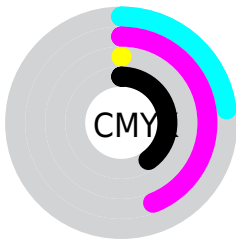
Distribution



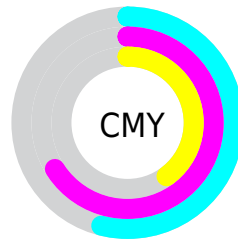
- Red (46%)
- Green (34%)
- Blue (60%)



- Red (46%)
- Yellow (34%)
- Blue (60%)



- Cyan (23%)
- Magenta (44%)
- Yellow (0%)
- Black (40%)



- Cyan (54%)
- Magenta (66%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7121, 13.0010, 32.2005 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 16.7121, 13.0010, 32.2005 by changing the saturation by 10% instead.

■ 16.7121, 13.0010,
32.2005

■ 16.7121, 13.0010,
32.2005

226.6965,
210.9241, 326.5524

■ 10.1235, 7.4292,
21.2486

■ 37.3777, 31.3056,
64.2268

■ 5.5438, 3.7320,
13.1128

■ 52.1853, 44.8072,
86.1384

■ 2.6077, 1.5248,
7.3746

■ 70.4633, 61.7209,
112.5402

■ 0.9499, 0.3061,
3.6155

■ 92.5771, 82.4310,
143.8508

■ 0.0000, 0.0000,
1.4169

■ 118.8919,
107.3220, 180.4888

■ 0.0000, 0.0000,
0.1548

149.7732,

■ 0.0000, 0.0000,

136.7782, 222.8727

0.0000

185.5863,
171.1841, 271.4211

■ 16.7121, 13.0010,
32.2005

■ 16.7121, 13.0010,
32.2005

■ 14.5210, 10.2141,
31.7783

■ 19.2688, 16.3718,
32.7166

■ 12.6744, 7.9740,
31.4432

■ 22.2075, 20.3572,
33.3310

■ 11.1511, 6.2418,
31.1892

■ 25.5455, 24.9877,
34.0488

■ 9.9266, 4.9724,
31.0087

■ 29.2985, 30.2913,
34.8747

■ 8.9720, 4.1126,
30.8930

■ 33.4812, 36.2942,
35.8129

■ 8.4500, 3.6823,
30.8375

■ 38.1076, 43.0213,
36.8676

■ 43.1910, 50.4962,
38.0424

■ 48.7442, 58.7413,
39.3412

■ 54.7795, 67.7784,
40.7674

Harmonies

Analogous

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



13.4502, 13.0010, 39.2840



16.7121, 13.0010, 32.2005



19.0258, 13.0010, 21.0049

Triad

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



16.7121, 13.0010, 32.2005



14.5612, 13.0010, 3.2640



7.2691, 13.0010, 17.4218

Complementary

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



16.7121, 13.0010, 32.2005



21.4446, 28.0106, 13.2936

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.



7.4631, 13.0010, 8.9855



16.7121, 13.0010, 32.2005



11.3248, 13.0010, 2.9778

Square

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



16.7121, 13.0010, 32.2005



17.6441, 13.0010, 5.6281



8.8331, 13.0010, 4.5470



8.2482, 13.0010, 28.6340

Rectangle

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



16.7121, 13.0010, 32.2005



19.5195, 13.0010, 14.1481



8.8331, 13.0010, 4.5470



7.2039, 13.0010, 14.1637

Sweetspot

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



16.7126, 13.0015, 32.2008



46.5628, 45.6127, 61.8863



16.9525, 18.7375, 33.2953



10.2382, 9.9031, 13.9423



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.



16.7126, 13.0015, 32.2008



26.5483, 18.7663, 57.7593



21.9389, 15.6958, 32.4454



6.1425, 6.1593, 7.7941



6.9249, 3.0210, 25.1258



0.1449, 0.0665, 0.3776

Inverse Universe

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



20.3101, 15.1169, 20.5867



34.2035, 23.2726, 32.8184



17.5269, 25.9909, 13.1103



6.3406, 6.2754, 7.1735



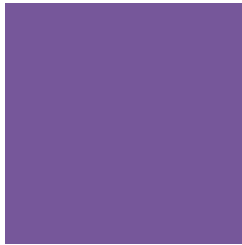
12.1397, 6.1101, 7.2606



0.1999, 0.0987, 0.2052

Previews

White Background



This preview shows how the XYZ color 16.7121, 13.0010, 32.2005 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



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 16.7121, 13.0010, 32.2005

Background



This preview shows how black text looks on a background with the XYZ color 16.7121, 13.0010, 32.2005.



This preview shows how white text looks on a background with the XYZ color 16.7121, 13.0010,

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

16.7121, 13.0010, 32.2005

Protanopia

14.1550, 13.1361, 37.3868

Deuteranopia

13.3815, 13.1614, 31.1133



Tritanopia

13.2242, 13.0065, 15.1781

Trichromacy



Original Color

16.7121, 13.0010, 32.2005

Protanomaly

14.8396, 12.9818, 35.4418

Deuteranomaly

14.3646, 12.9599, 31.4502

Tritanomaly

14.2599, 12.8802, 20.4734

Monochromacy



Original Color

16.7121, 13.0010, 32.2005

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.1872, 13.3917, 20.2495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7121, 13.0010, 32.2005 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(118, 87, 154)` looks like.

```
.text, #text, p{  
    color:rgb(118, 87, 154)  
}
```

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(118, 87, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 87, 154) }
```

Border

The CSS property to change the border of an element to XYZ 16.7121, 13.0010, 32.2005 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(118, 87, 154) }
```


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

```
.border{ border-color:rgb(118, 87, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 87, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 87, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 87, 154);  
box-shadow:4px 4px 4px 4px rgb(118, 87,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7121, 13.0010, 32.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 87, 154) }
```

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

```
.background{ background-color: rgb(118, 87,  
154) }
```

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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