

Converting Colors

XYZ(13.1752, 7.2678, 34.8908)

Have a look what the booklet for
XYZ(13.1752, 7.2678, 34.8908)
contains.

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Color

**XYZ(13.1752, 7.2678,
34.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	692AA2
RGB	105, 42, 162
RGB Percent	41%, 16%, 64%
CMY	0.5882, 0.8353, 0.3647
CMYK	0.35, 0.74, 0.00, 0.36
HSL	272°, 59%, 40%
HSV	272°, 74%, 64%
XYZ	13.1752, 7.2678, 34.8908
YIQ	74.5170, -0.9720, 50.6760

Conversions

Conversions Part 2

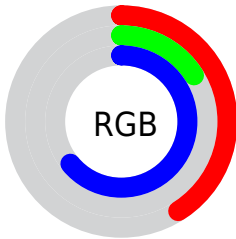
Format	Color
R_{YB}	105, 42, 162
Decimal	6892194
CIE _{Lab}	32.41, 50.11, -53.40
CIE _{LCh}	32, 73.226, 313.180
Yxy	7.2678, 0.2381, 0.1313
Android (android.graphics.Color)	4285082274 (0xFF692AA2)
YUV	74.5170, 43.1291, 26.7336
Hunter-Lab	26.9589, 40.0576, -57.8633

Details

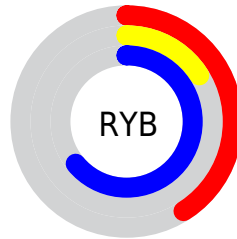
The XYZ color **13.1752, 7.2678, 34.8908** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **18.4838, 28.6605, 6.7484**, and the grayscale version is **6.5269, 6.8668, 7.4779**.

A 20% lighter version of the original color is **31.2672, 20.4677, 68.6324**, and **4.0269, 1.7571, 14.5949** is the 20% darker color. If you saturate the color by 10%, you get **11.8492, 5.8970, 34.6962**, and if you desaturate by 10%, it is **14.8160, 9.1457, 35.1670**.

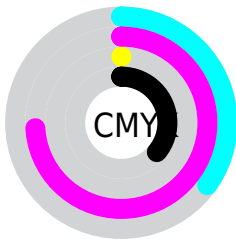
Distribution



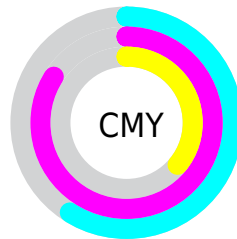
- Red (41%)
- Green (16%)
- Blue (64%)



- Red (41%)
- Yellow (16%)
- Blue (64%)



- Cyan (35%)
- Magenta (74%)
- Yellow (0%)
- Black (36%)




- Cyan (59%)
- Magenta (84%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1752, 7.2678, 34.8908 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 13.1752, 7.2678, 34.8908 by changing the saturation by 10% instead.


 13.1752, 7.2678,
34.8908


 13.1752, 7.2678,
34.8908


205.6524,
169.8707, 338.9757

 7.6271, 3.6301,
23.2959


 31.2168, 20.5100,
68.4662


 3.9071, 1.4689,
14.6048


 44.4411, 30.8832,
91.2838


 1.6497, 0.2667,
8.3990


 60.9548, 44.2705,
118.6794

 0.4245, 0.0000,
4.2599

 81.1233, 61.0562,
151.0714

 0.0000, 0.0000,
1.7690

 105.3120, 81.6247,
188.8786

 0.0000, 0.0000,
0.4074

 133.8861,

 0.0000, 0.0000,

106.3603, 232.5193

0.0000

167.2112,
135.6475, 282.4121

■ 13.1752, 7.2678,
34.8908

■ 13.1752, 7.2678,
34.8908

■ 11.8492, 5.8970,
34.6962

■ 14.8160, 9.1457,
35.1670

■ 10.8047, 4.9713,
34.5726

■ 16.7974, 11.5811,
35.5326

■ 10.2727, 4.5424,
34.5179

■ 19.1438, 14.6187,
35.9952

■ 21.8765, 18.2986,
36.5615

■ 25.0151, 22.6571,
37.2374

■ 28.5777, 27.7279,
38.0284

■ 32.5814, 33.5424,
38.9396

■ 37.0421, 40.1299,
39.9761

■ 41.9750, 47.5183,
41.1422

Harmonies

Analogous

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



8.7023, 7.2678, 50.4496



13.1752, 7.2678, 34.8908



16.4697, 7.2678, 15.6001

Triad

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



13.1752, 7.2678, 34.8908



9.2333, 7.2678, 0.0000



1.9707, 7.2678, 13.6758

Complementary

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



13.1752, 7.2678, 34.8908



18.4838, 28.6605, 6.7484

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.



2.0230, 7.2678, 3.2870



13.1752, 7.2678, 34.8908



5.3787, 7.2678, 0.0000

Square

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



13.1752, 7.2678, 34.8908



13.6840, 7.2678, 0.4034



3.0307, 7.2678, 0.1734



2.8459, 7.2678, 32.4351

Rectangle

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



13.1752, 7.2678, 34.8908



17.0109, 7.2678, 6.8134



3.0307, 7.2678, 0.1734



1.8936, 7.2678, 9.1259

Sweetspot

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



13.1756, 7.2680, 34.8910



46.4292, 42.5646, 67.8248



12.0337, 12.2154, 35.9061



10.0766, 9.0653, 15.1562



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.



13.1756, 7.2680, 34.8910



20.2027, 9.5104, 62.8270



22.0735, 11.8755, 34.3866



7.0387, 7.0343, 8.8898



8.1431, 3.6044, 27.1963



0.2253, 0.1037, 0.5740

Inverse Universe

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



17.9804, 10.2383, 12.8327



30.3294, 15.7558, 16.9930



14.3299, 26.5149, 6.7456



7.2073, 7.1394, 8.0780



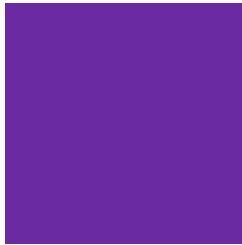
12.8142, 6.4818, 6.2124



0.2931, 0.1457, 0.2562

Previews

White Background



This preview shows how the XYZ color 13.1752, 7.2678, 34.8908 looks on a white background.

Color Contrast Check

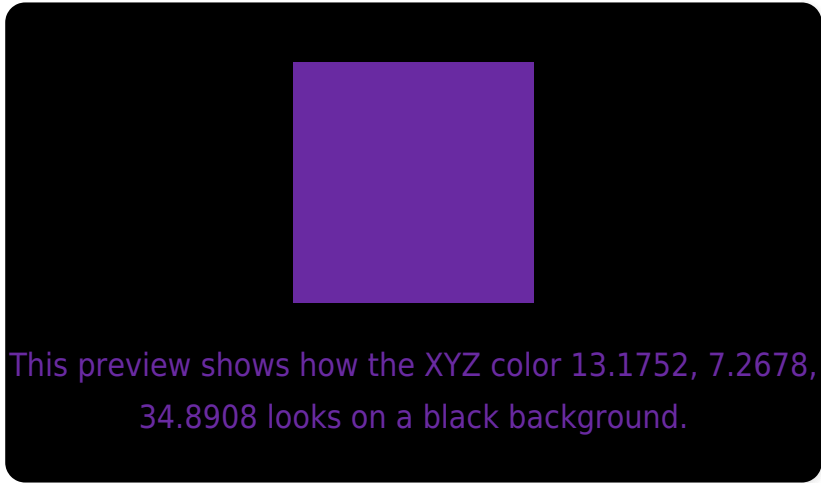
Large Text (above 18pt) WCAG AA ✓ Pass

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

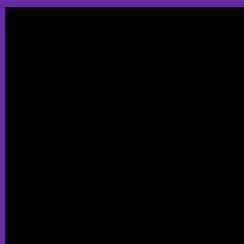
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1752, 7.2678, 34.8908

Background



This preview shows how black text looks on a background with the XYZ color 13.1752, 7.2678, 34.8908.



This preview shows how white text looks on a background with the XYZ color 13.1752, 7.2678,

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

13.1752, 7.2678, 34.8908

Protanopia

8.5346, 7.3319, 32.8637

Deuteranopia

7.2399, 7.3695, 24.3334



Tritanopia

7.8123, 7.3086, 8.2067

Trichromacy



Original Color

13.1752, 7.2678, 34.8908

Protanomaly

8.7800, 6.3605, 33.5658

Deuteranomaly

7.8584, 6.3528, 27.6001

Tritanomaly

9.1484, 6.8745, 15.3127

Monochromacy



Original Color

13.1752, 7.2678, 34.8908

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.2691, 6.5950, 14.7470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1752, 7.2678, 34.8908 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(105, 42, 162)` looks like.

```
.text, #text, p{  
    color:rgb(105, 42, 162)  
}
```

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(105, 42, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 42, 162) }
```

Border

The CSS property to change the border of an element to XYZ 13.1752, 7.2678, 34.8908 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(105, 42, 162) }
```


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

```
.border{ border-color:rgb(105, 42, 162) }
```

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

Here you see how a box with a 4 pixel rgb(105, 42, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 42, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 42, 162);  
box-shadow:4px 4px 4px 4px rgb(105, 42,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1752, 7.2678, 34.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 42, 162) }
```

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

```
.background{ background-color: rgb(105, 42,  
162) }
```

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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