

Converting Colors

XYZ(13.9170, 8.8378, 25.4002)

Have a look what the booklet for
XYZ(13.9170, 8.8378, 25.4002)
contains.

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Color

**XYZ(13.8691, 8.7834,
25.3905)**

Conversions

Conversions Part 1

Format	Color
Hex	78398B
RGB	120, 57, 139
RGB Percent	47%, 22%, 55%
CMY	0.5294, 0.7765, 0.4549
CMYK	0.14, 0.59, 0.00, 0.45
HSL	286°, 42%, 38%
HSV	286°, 59%, 55%
XYZ	13.8691, 8.7834, 25.3905
YIQ	85.1850, 11.2260, 38.8580

Conversions

Conversions Part 2

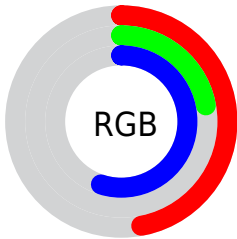
Format	Color
R_{YB}	120, 57, 139
Decimal	7879051
CIE _{Lab}	35.56, 40.97, -34.20
CIE _{LCh}	36, 53.372, 320.150
Yxy	8.7834, 0.2887, 0.1828
Android (android.graphics.Color)	4286069131 (0xFF78398B)
YUV	85.1850, 26.5308, 30.5328
Hunter-Lab	29.6368, 31.6680, -30.0493

Details

The XYZ color **13.8691, 8.7834, 25.3905** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **12.9518, 20.2973, 7.1063**, and the grayscale version is **8.6182, 9.0670, 9.8740**.

A 20% lighter version of the original color is **32.3389, 23.3643, 53.2574**, and **4.1779, 1.9986, 9.3981** is the 20% darker color. If you saturate the color by 10%, you get **12.8346, 7.3661, 25.1716**, and if you desaturate by 10%, it is **15.1075, 10.5855, 25.6732**.

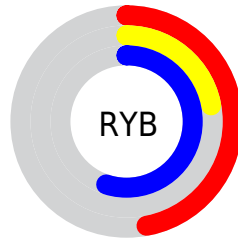
Distribution



Red (47%)

Green (22%)

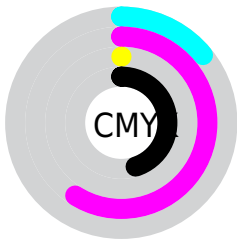
Blue (55%)



Red (47%)

Yellow (22%)

Blue (55%)

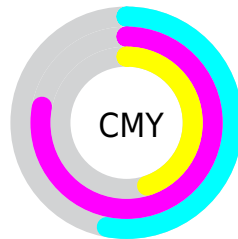


Cyan (14%)

Magenta (59%)

Yellow (0%)

Black (45%)



Cyan (53%)

Magenta (78%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8691, 8.7834, 25.3905 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 13.8691, 8.7834, 25.3905 by changing the saturation by 10% instead.

13.8691, 8.7834,
25.3905

13.8691, 8.7834,
25.3905

209.9419,
181.7537, 293.2868

8.1108, 4.6002,
16.1466

32.4448, 23.4805,
53.2620

4.2183, 2.0146,
9.4724

45.9929, 34.7632,
72.7266

1.8264, 0.6160,
4.9496

62.8682, 49.1811,
96.4352

0.5335, 0.0000,
2.1595

83.4363, 67.1187,
124.8063

0.0000, 0.0000,
0.6509

108.0623, 88.9604,
158.2585

0.0000, 0.0000,
0.0000

137.1117,

115.0905, 197.2103

170.9498,
145.8935, 242.0802

■ 13.8691, 8.7834,
25.3905

■ 13.8691, 8.7834,
25.3905

■ 12.8346, 7.3661,
25.1716

■ 15.1075, 10.5855,
25.6732

■ 11.9870, 6.3008,
25.0106

■ 16.5628, 12.7994,
26.0238

■ 11.3081, 5.5512,
24.9017

■ 18.2483, 15.4507,
26.4468

■ 10.7532, 5.0277,
24.8299

■ 20.1757, 18.5629,
26.9459

■ 10.6990, 4.9772,
24.8230

■ 22.3559, 22.1577,
27.5248

■ 24.7991, 26.2551,
28.1870

■ 27.5151, 30.8745,
28.9354

■ 30.5129, 36.0338,
29.7733

■ 33.8013, 41.7504,
30.7034

Harmonies

Analogous

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



10.5962, 8.7834, 36.5586



13.8691, 8.7834, 25.3905



15.7864, 8.7834, 12.8231

Triad

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



13.8691, 8.7834, 25.3905



9.4200, 8.7834, 0.6105



3.8795, 8.7834, 16.8086

Complementary

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



13.8691, 8.7834, 25.3905



12.9518, 20.2973, 7.1063

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.



3.7142, 8.7834, 6.9094



13.8691, 8.7834, 25.3905



6.4433, 8.7834, 0.7839

Square

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



13.8691, 8.7834, 25.3905



12.8255, 8.7834, 1.4985



4.5300, 8.7834, 2.2281



5.0572, 8.7834, 29.8178

Rectangle

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



13.8691, 8.7834, 25.3905



15.7780, 8.7834, 6.8381



4.5300, 8.7834, 2.2281



3.7174, 8.7834, 12.9314

Sweetspot

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



13.8694, 8.7838, 25.3907



36.3522, 33.6042, 48.3133



8.9415, 7.9215, 25.4840



8.1566, 7.3850, 11.0750



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.8694, 8.7838, 25.3907



22.4083, 12.4443, 44.9639



15.3296, 9.7030, 17.9359



5.1225, 5.0716, 6.3148



9.6716, 4.5000, 22.4045



0.0770, 0.0365, 0.1494

Inverse Universe

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



13.4153, 8.9373, 7.8557



21.8524, 12.9447, 9.3871



12.3267, 19.8979, 10.5631



5.0773, 5.0664, 5.4954



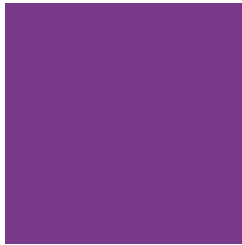
9.8535, 5.0515, 1.7330



0.0703, 0.0355, 0.0371

Previews

White Background



This preview shows how the XYZ color 13.8691, 8.7834, 25.3905 looks on a white background.

Color Contrast Check

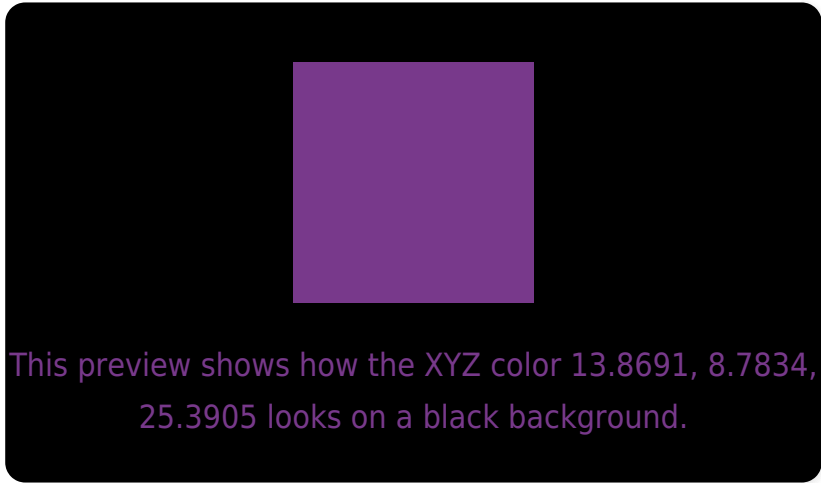
Large Text (above 18pt) WCAG AA ✓ Pass

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

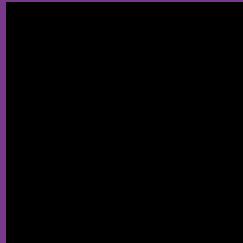
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8691, 8.7834, 25.3905

Background



This preview shows how black text looks on a background with the XYZ color 13.8691, 8.7834, 25.3905.



This preview shows how white text looks on a background with the XYZ color 13.8691, 8.7834,

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

13.8691, 8.7834, 25.3905

Protanopia

10.3911, 9.0722, 35.8538

Deuteranopia

9.1043, 8.9026, 23.7928



Tritanopia

10.4156, 8.8416, 8.5548

Trichromacy



Original Color

13.8691, 8.7834, 25.3905

Protanomaly

10.5300, 8.2915, 31.6173

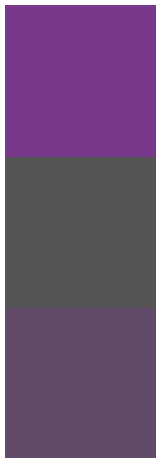
Deuteranomaly

10.1172, 8.3374, 24.3686

Tritanomaly

11.3555, 8.6512, 13.3833

Monochromacy



Original Color

13.8691, 8.7834, 25.3905

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.1029, 8.6487, 14.5015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8691, 8.7834, 25.3905 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(120, 57, 139)` looks like.

```
.text, #text, p{  
    color:rgb(120, 57, 139)  
}
```

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(120, 57, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 57, 139) }
```

Border

The CSS property to change the border of an element to XYZ 13.8691, 8.7834, 25.3905 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(120, 57, 139) }
```


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

```
.border{ border-color:rgb(120, 57, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 57, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 57, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 57, 139);  
box-shadow:4px 4px 4px 4px rgb(120, 57,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8691, 8.7834, 25.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 57, 139) }
```

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

```
.background{ background-color: rgb(120, 57,  
139) }
```

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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