

Converting Colors

XYZ(14.5695, 8.0834, 37.8516)

Have a look what the booklet for
XYZ(14.5695, 8.0834, 37.8516)
contains.

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Color

**XYZ(14.5618, 8.0834,
37.8386)**

Conversions

Conversions Part 1

Format	Color
Hex	6F2DA8
RGB	111, 45, 168
RGB Percent	44%, 18%, 66%
CMY	0.5647, 0.8235, 0.3412
CMYK	0.34, 0.73, 0.00, 0.34
HSL	272°, 58%, 42%
HSV	272°, 73%, 66%
XYZ	14.5618, 8.0834, 37.8386
YIQ	78.7560, -0.1470, 52.2450

Conversions

Conversions Part 2

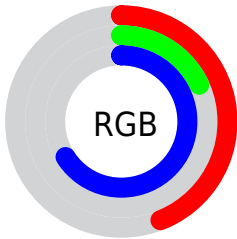
Format	Color
R_{YB}	111, 45, 168
Decimal	7286184
CIE _{Lab}	34.16, 51.35, -54.14
CIE _{LCh}	34, 74.619, 313.490
Yxy	8.0834, 0.2408, 0.1336
Android (android.graphics.Color)	4285476264 (0xFF6F2DA8)
YUV	78.7560, 43.9973, 28.2780
Hunter-Lab	28.4313, 41.6684, -59.0058

Details

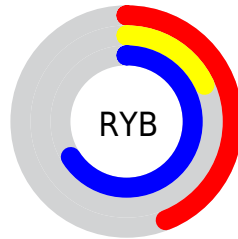
The XYZ color **14.5618, 8.0834, 37.8386** is a dark color, and the websafe version is hex **663399**, and the color name is **grape**. A complement of this color would be **19.9557, 31.0196, 7.4183**, and the grayscale version is **7.3041, 7.6845, 8.3685**.

A 20% lighter version of the original color is **33.6656, 22.1467, 73.0214**, and **4.6701, 2.0500, 16.3692** is the 20% darker color. If you saturate the color by 10%, you get **13.1064, 6.5637, 37.6221**, and if you desaturate by 10%, it is **16.3584, 10.1577, 38.1445**.

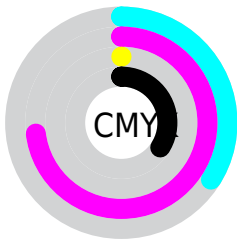
Distribution



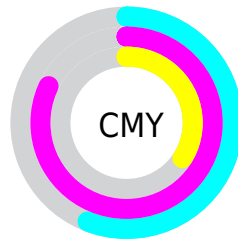
- Red (44%)
- Green (18%)
- Blue (66%)



- Red (44%)
- Yellow (18%)
- Blue (66%)



- Cyan (34%)
- Magenta (73%)
- Yellow (0%)
- Black (34%)



- Cyan (56%)
- Magenta (82%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5618, 8.0834, 37.8386 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 14.5618, 8.0834, 37.8386 by changing the saturation by 10% instead.

■ 14.5618, 8.0834,
37.8386

■ 14.5618, 8.0834,
37.8386

214.1397,
176.3847, 352.2045

■ 8.5967, 4.1484,
25.5566

■ 33.6606, 22.1218,
73.0614

■ 4.5341, 1.7569,
16.2694

■ 47.5250, 32.9939,
96.8392

■ 2.0085, 0.4601,
9.5586

■ 64.7533, 46.9472,
125.2860

■ 0.6387, 0.0000,
5.0055

■ 85.7108, 64.3660,
158.8205

■ 0.0000, 0.0000,
2.1917

■ 110.7628, 85.6348,
197.8610

■ 0.0000, 0.0000,
0.6696

■ 140.2748,

■ 0.0000, 0.0000,

111.1379, 242.8261

0.0000

174.6119,
141.2597, 294.1345

■ 14.5618, 8.0834,
37.8386

■ 14.5618, 8.0834,
37.8386

■ 13.1064, 6.5637,
37.6221

■ 16.3584, 10.1577,
38.1445

■ 11.9566, 5.5319,
37.4836

■ 18.5241, 12.8410,
38.5482

■ 11.2989, 5.0083,
37.4172

■ 21.0850, 16.1818,
39.0581

■ 24.0642, 20.2234,
39.6812

■ 27.4828, 25.0052,
40.4240

■ 31.3604, 30.5637,
41.2925

■ 35.7154, 36.9330,
42.2924

■ 40.5649, 44.1450,
43.4289

■ 45.9255, 52.2300,
44.7069

Harmonies

Analogous

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



9.6923, 8.0834, 54.7468



14.5618, 8.0834, 37.8386



18.1131, 8.0834, 16.9940

Triad

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



14.5618, 8.0834, 37.8386



10.1729, 8.0834, 0.0000



2.2530, 8.0834, 15.2579

Complementary

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



14.5618, 8.0834, 37.8386



19.9557, 31.0196, 7.4183

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.



2.3012, 8.0834, 3.7845



14.5618, 8.0834, 37.8386



5.9726, 8.0834, 0.0000

Square

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



14.5618, 8.0834, 37.8386



15.0207, 8.0834, 0.5268



3.4055, 8.0834, 0.3323



3.2360, 8.0834, 35.6374

Rectangle

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



14.5618, 8.0834, 37.8386



18.6737, 8.0834, 7.4862



3.4055, 8.0834, 0.3323



2.1638, 8.0834, 10.2624

Sweetspot

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



14.5622, 8.0837, 37.8388



50.4098, 46.1391, 73.4739



12.9410, 12.9668, 38.8668



10.6186, 9.5347, 15.9329



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.5622, 8.0837, 37.8388



22.3883, 10.6188, 68.0947



23.7788, 12.8785, 36.3074



7.5018, 7.4913, 9.4689



8.5921, 3.8128, 28.2586



0.2672, 0.1227, 0.6903

Inverse Universe

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



19.4852, 11.1610, 13.6974



32.8177, 17.1145, 18.0190



15.6415, 28.7859, 7.6488



7.6703, 7.5980, 8.5811



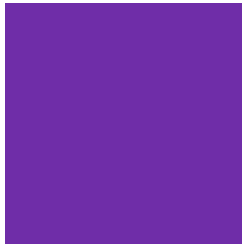
13.2545, 6.7105, 6.1518



0.3485, 0.1737, 0.2866

Previews

White Background



This preview shows how the XYZ color 14.5618, 8.0834, 37.8386 looks on a white background.

Color Contrast Check

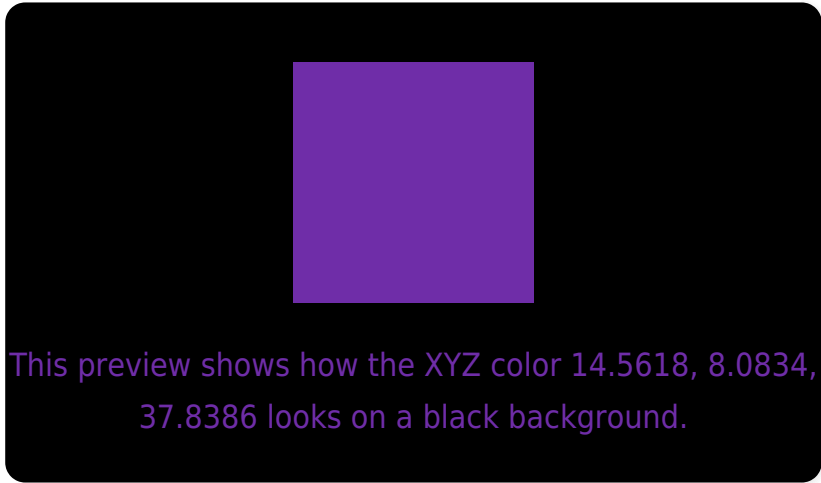
Large Text (above 18pt) WCAG AA ✓ Pass

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

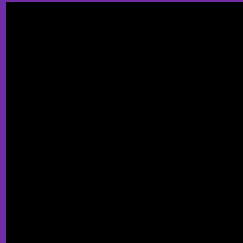
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5618, 8.0834, 37.8386

Background



This preview shows how black text looks on a background with the XYZ color 14.5618, 8.0834, 37.8386.



This preview shows how white text looks on a background with the XYZ color 14.5618, 8.0834,

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

14.5618, 8.0834, 37.8386

Protanopia

9.5159, 8.1654, 36.6718

Deuteranopia

8.1273, 8.2001, 27.5400



Tritanopia

8.7235, 8.1578, 9.0975

Trichromacy



Original Color

14.5618, 8.0834, 37.8386



Protanomaly

9.7062, 7.1007, 36.9354



Deuteranomaly

8.7530, 7.0073, 31.0282



Tritanomaly

10.1265, 7.6822, 16.5719

Monochromacy



Original Color

14.5618, 8.0834, 37.8386



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

9.1908, 7.3862, 15.9802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5618, 8.0834, 37.8386 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(111, 45, 168)` looks like.

```
.text, #text, p{  
    color:rgb(111, 45, 168)  
}
```

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(111, 45, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 45, 168) }
```

Border

The CSS property to change the border of an element to XYZ 14.5618, 8.0834, 37.8386 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(111, 45, 168) }
```


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

```
.border{ border-color:rgb(111, 45, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 45, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 45, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 45, 168);  
box-shadow:4px 4px 4px 4px rgb(111, 45,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5618, 8.0834, 37.8386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 45, 168) }
```

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

```
.background{ background-color: rgb(111, 45,  
168) }
```

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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