

Converting Colors

XYZ(18.3464, 14.8297, 33.7937)

Have a look what the booklet for
XYZ(18.3464, 14.8297, 33.7937)
contains.

XYZ(18.3464, 14.8297, 33.7937)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3464, 14.8297,
33.7937)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5F9D
RGB	123, 95, 157
RGB Percent	48%, 37%, 62%
CMY	0.5176, 0.6274, 0.3843
CMYK	0.22, 0.39, 0.00, 0.38
HSL	267°, 25%, 49%
HSV	267°, 39%, 62%
XYZ	18.3464, 14.8297, 33.7937
YIQ	110.4400, -3.2140, 25.2180

Conversions

Conversions Part 2

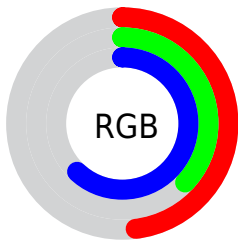
Format	Color
R_{YB}	123, 95, 157
Decimal	8085405
CIE Lab	45.40, 24.31, -29.55
CIE LCh	45, 38.262, 309.440
Yxy	14.8297, 0.2740, 0.2214
Android (android.graphics.Color)	4286275485 (0xFF7B5F9D)
YUV	110.4400, 22.9541, 11.0151
Hunter-Lab	38.5093, 17.6486, -25.0731

Details

The XYZ color **18.3464, 14.8297, 33.7937** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.1761, 29.6076, 15.3204**, and the grayscale version is **14.8846, 15.6597, 17.0535**.

A 20% lighter version of the original color is **40.2940, 34.6583, 66.8534**, and **6.3544, 4.5503, 13.9080** is the 20% darker color. If you saturate the color by 10%, you get **15.8943, 11.6738, 33.3140**, and if you desaturate by 10%, it is **21.1930, 18.6127, 34.3741**.

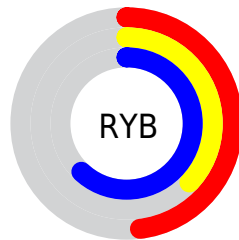
Distribution



Red (48%)

Green (37%)

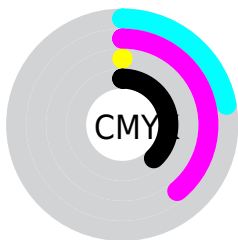
Blue (62%)



Red (48%)

Yellow (37%)

Blue (62%)

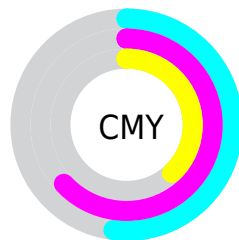


Cyan (22%)

Magenta (39%)

Yellow (0%)

Black (38%)



Cyan (52%)

Magenta (63%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3464, 14.8297, 33.7937 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 18.3464, 14.8297, 33.7937 by changing the saturation by 10% instead.

■ 18.3464, 14.8297,
33.7937

■ 18.3464, 14.8297,
33.7937

235.8243,
222.3331, 333.9522

■ 11.3002, 8.7000,
22.4591

■ 40.1522, 34.5541,
66.7430

■ 6.3379, 4.5460,
13.9931

■ 55.6424, 48.9176,
89.1947

■ 3.0942, 1.9834,
7.9772

■ 74.6781, 66.7945,
116.1892

■ 1.2038, 0.5978,
3.9928

■ 97.6244, 88.5691,
148.1450

■ 0.1093, 0.0000,
1.6214

124.8469,
114.6259, 185.4806

■ 0.0000, 0.0000,
0.3060

156.7108,

■ 0.0000, 0.0000,

145.3492, 228.6147

0.0000

193.5815,
181.1235, 277.9657

■ 18.3464, 14.8297,
33.7937

■ 18.3464, 14.8297,
33.7937

■ 15.8943, 11.6738,
33.3140

■ 21.1930, 18.6127,
34.3741

■ 13.8150, 9.1073,
32.9283

■ 24.4508, 23.0539,
35.0596

■ 12.0870, 7.0912,
32.6302

■ 28.1377, 28.1845,
35.8556

■ 10.6859, 5.5806,
32.4124

■ 32.2698, 34.0333,
36.7668

■ 9.5830, 4.5234,
32.2665

■ 36.8624, 40.6270,
37.7974

■ 8.7184, 3.8044,
32.1733

■ 41.9300, 47.9914,
38.9518

■ 8.6774, 3.7703,
32.1689

■ 47.4865, 56.1508,
40.2339

■ 53.5451, 65.1284,
41.6474

■ 60.1187, 74.9465,
43.1960

Harmonies

Analogous

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



15.1218, 14.8297, 40.3076



18.3464, 14.8297, 33.7937



20.6289, 14.8297, 23.1091

Triad

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



18.3464, 14.8297, 33.7937



16.3530, 14.8297, 4.6758



8.8838, 14.8297, 19.1922

Complementary

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



18.3464, 14.8297, 33.7937



23.1761, 29.6076, 15.3204

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.



9.1111, 14.8297, 10.7458



18.3464, 14.8297, 33.7937



13.1161, 14.8297, 4.3019

Square

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



18.3464, 14.8297, 33.7937



19.3632, 14.8297, 7.3830



10.5573, 14.8297, 6.0487



9.8814, 14.8297, 30.0186

Rectangle

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



18.3464, 14.8297, 33.7937



21.1345, 14.8297, 16.3187



10.5573, 14.8297, 6.0487



8.8233, 14.8297, 15.9765

Sweetspot

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



18.3469, 14.8303, 33.7940



48.5029, 47.8301, 63.8025



18.6690, 20.5946, 34.8897



10.4985, 10.2815, 14.0016



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.



18.3469, 14.8303, 33.7940



29.1151, 21.7298, 59.7865



23.4858, 17.4795, 34.0345



6.5550, 6.5746, 8.3302



7.0892, 3.0836, 26.1288



0.1749, 0.0799, 0.4694

Inverse Universe

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



21.9597, 16.9380, 22.8812



36.6836, 26.1504, 36.6932



19.1708, 27.5427, 15.1329



6.7776, 6.7040, 7.6798



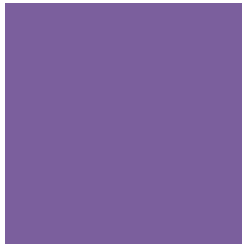
12.6793, 6.3763, 7.8284



0.2479, 0.1225, 0.2515

Previews

White Background



This preview shows how the XYZ color 18.3464, 14.8297, 33.7937 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 18.3464, 14.8297, 33.7937 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 18.3464, 14.8297, 33.7937

Background



This preview shows how black text looks on a background with the XYZ color 18.3464, 14.8297, 33.7937.



This preview shows how white text looks on a background with the XYZ color 18.3464, 14.8297,

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

18.3464, 14.8297, 33.7937

Protanopia

15.8747, 15.0397, 38.1427

Deuteranopia

15.2939, 15.0058, 33.1007



Tritanopia

15.0012, 14.7377, 17.6768

Trichromacy



Original Color

18.3464, 14.8297, 33.7937

Protanomaly

16.5078, 14.7997, 36.6369

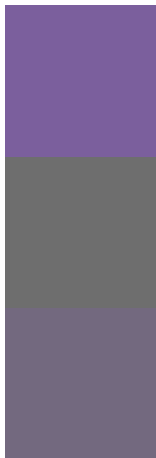
Deuteranomaly

16.2178, 14.8675, 33.4674

Tritanomaly

16.0873, 14.7439, 22.7668

Monochromacy



Original Color

18.3464, 14.8297, 33.7937

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.9526, 15.2803, 22.1873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3464, 14.8297, 33.7937 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(123, 95, 157)` looks like.

```
.text, #text, p{  
  color:rgb(123, 95, 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(123, 95, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 95, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.3464, 14.8297, 33.7937 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(123, 95, 157) }
```


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

```
.border{ border-color:rgb(123, 95, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 95, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 95, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 95, 157);  
box-shadow:4px 4px 4px 4px rgb(123, 95,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3464, 14.8297, 33.7937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 95, 157) }
```

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

```
.background{ background-color: rgb(123, 95,  
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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