

Converting Colors

XYZ(18.1207, 14.7301, 21.0608)

Have a look what the booklet for
XYZ(18.1207, 14.7301, 21.0608)
contains.

XYZ(18.0337, 14.6872, 20.9532)	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(18.0337, 14.6872,
20.9532)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5D7C
RGB	138, 93, 124
RGB Percent	54%, 36%, 49%
CMY	0.4588, 0.6353, 0.5137
CMYK	0.00, 0.33, 0.10, 0.46
HSL	319°, 19%, 45%
HSV	319°, 33%, 54%
XYZ	18.0337, 14.6872, 20.9532
YIQ	109.9890, 16.8690, 19.1810

Conversions

Conversions Part 2

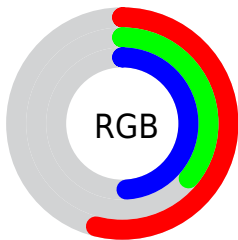
Format	Color
R_{YB}	138, 93, 124
Decimal	9067900
CIE Lab	45.20, 23.51, -9.95
CIE LCh	45, 25.523, 337.066
Yxy	14.6872, 0.3360, 0.2736
Android (android.graphics.Color)	4287257980 (0xFF8A5D7C)
YUV	109.9890, 6.9074, 24.5656
Hunter-Lab	38.3239, 16.9282, -5.5895

Details

The XYZ color **18.0337, 14.6872, 20.9532** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.2572, 21.5662, 17.2167**, and the grayscale version is **14.7956, 15.5662, 16.9516**.

A 20% lighter version of the original color is **39.6473, 34.3273, 46.1312**, and **6.1775, 4.4882, 7.1973** is the 20% darker color. If you saturate the color by 10%, you get **16.6644, 12.3736, 19.1862**, and if you desaturate by 10%, it is **19.6343, 17.4440, 22.8560**.

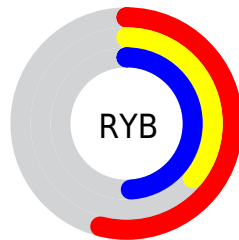
Distribution



Red (54%)

Green (36%)

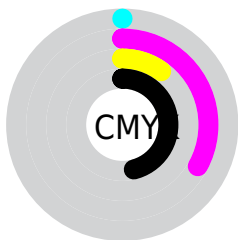
Blue (49%)



Red (54%)

Yellow (36%)

Blue (49%)

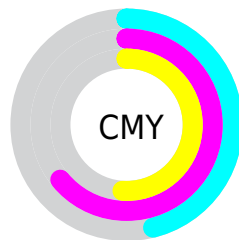


Cyan (0%)

Magenta (33%)

Yellow (10%)

Black (46%)



Cyan (46%)

Magenta (64%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0337, 14.6872, 20.9532 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 18.0337, 14.6872, 20.9532 by changing the saturation by 10% instead.

18.0337, 14.6872,
20.9532

18.0337, 14.6872,
20.9532

234.1028,
221.4650, 269.8025

11.0740, 8.6002,
12.8989

39.6244, 34.3035,
45.8894

6.1843, 4.4813,
7.2290

54.9861, 48.6015,
63.6084

2.9992, 1.9463,
3.5251

73.8792, 66.4054,
85.3860

1.1533, 0.5760,
1.3686

96.6690, 88.0994,
111.6408

0.0690, 0.0000,
0.1171

123.7209,
114.0679, 142.7913

0.0000, 0.0000,
0.0000

155.4003,

144.6955, 179.2561

192.0725,
180.3664, 221.4536

■ 18.0337, 14.6872,
20.9532

■ 18.0337, 14.6872,
20.9532

■ 16.6644, 12.3736,
19.1862

■ 19.6343, 17.4440,
22.8560

■ 15.5132, 10.4777,
17.5494

■ 21.4759, 20.6640,
24.8980

■ 14.5676, 8.9744,
16.0379

■ 23.5692, 24.3680,
27.0837

■ 13.8129, 7.8349,
14.6462

■ 25.9240, 28.5754,
29.4170

■ 13.2328, 7.0266,
13.3680

■ 28.5494, 33.3041,
31.9017

■ 12.8080, 6.5112,
12.1961

■ 31.4542, 38.5715,
34.5413

■ 12.5499, 6.2307,
11.3829

■ 34.6466, 44.3939,
37.3393

■ 38.1346, 50.7870,
40.2989

■ 41.9258, 57.7659,
43.4234

Harmonies

Analogous

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



16.5471, 14.6872, 27.1534



18.0337, 14.6872, 20.9532



18.3793, 14.6872, 14.6064

Triad

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



18.0337, 14.6872, 20.9532



13.4672, 14.6872, 7.0189



10.9698, 14.6872, 24.0554

Complementary

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



18.0337, 14.6872, 20.9532



16.2572, 21.5662, 17.2167

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.



10.3124, 14.6872, 17.4623



18.0337, 14.6872, 20.9532



11.6572, 14.6872, 8.4045

Square

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



18.0337, 14.6872, 20.9532



15.5989, 14.6872, 7.5087



10.5508, 14.6872, 11.8829



12.4396, 14.6872, 29.2362

Rectangle

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



18.0337, 14.6872, 20.9532



17.8876, 14.6872, 11.2715



10.5508, 14.6872, 11.8829



10.6536, 14.6872, 21.8745

Sweetspot

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



18.0341, 14.6879, 20.9535



38.6965, 37.9069, 44.7851



14.5059, 12.7593, 25.7434



8.5832, 8.3326, 9.9427



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.0341, 14.6879, 20.9535



30.0036, 22.8659, 34.6591



16.7944, 14.1920, 14.4252



5.1687, 5.1029, 5.9769



11.5130, 5.7153, 10.4718



0.0831, 0.0406, 0.1043

Inverse Universe

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



18.0341, 14.6879, 20.9535



30.0036, 22.8659, 34.6591



17.5657, 22.0896, 24.1073



5.1687, 5.1029, 5.9769



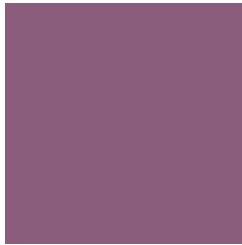
11.5130, 5.7153, 10.4718



0.0831, 0.0406, 0.1043

Previews

White Background



This preview shows how the XYZ color 18.0337, 14.6872, 20.9532 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 18.0337, 14.6872, 20.9532 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 18.0337, 14.6872, 20.9532

Background



This preview shows how black text looks on a background with the XYZ color 18.0337, 14.6872, 20.9532.



This preview shows how white text looks on a background with the XYZ color 18.0337, 14.6872,

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

18.0337, 14.6872, 20.9532

Protanopia

14.7545, 14.7682, 24.2632

Deuteranopia

15.1200, 14.8878, 20.4891



Tritanopia

16.9267, 14.7831, 15.0580

Trichromacy



Original Color

18.0337, 14.6872, 20.9532

Protanomaly

15.6224, 14.4965, 23.0938

Deuteranomaly

16.1140, 14.8024, 20.7467

Tritanomaly

17.3686, 14.8318, 16.9863

Monochromacy



Original Color

18.0337, 14.6872, 20.9532

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7906, 15.1315, 18.3081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0337, 14.6872, 20.9532 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(138, 93, 124)` looks like.

```
.text, #text, p{  
    color:rgb(138, 93, 124)  
}
```

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(138, 93, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 93, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.0337, 14.6872, 20.9532 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(138, 93, 124) }
```


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

```
.border{ border-color:rgb(138, 93, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 93, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 93, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 93, 124);  
box-shadow:4px 4px 4px 4px rgb(138, 93,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0337, 14.6872, 20.9532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 93, 124) }
```

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

```
.background{ background-color: rgb(138, 93,  
124) }
```

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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