

Converting Colors

XYZ(18.4983, 14.2217, 37.2185)

Have a look what the booklet for
XYZ(18.4983, 14.2217, 37.2185)
contains.

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Color

**XYZ(18.4737, 14.1665,
37.3580)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5AA5
RGB	122, 90, 165
RGB Percent	48%, 35%, 65%
CMY	0.5216, 0.6470, 0.3529
CMYK	0.26, 0.45, 0.00, 0.35
HSL	266°, 29%, 50%
HSV	266°, 45%, 65%
XYZ	18.4737, 14.1665, 37.3580
YIQ	108.1180, -5.0030, 30.1090

Conversions

Conversions Part 2

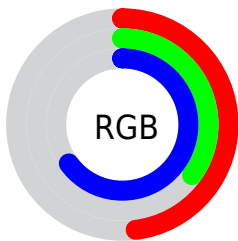
Format	Color
R_{YB}	122, 90, 165
Decimal	8018597
CIE _{Lab}	44.47, 28.98, -35.75
CIE _{LCh}	44, 46.023, 309.025
Yxy	14.1665, 0.2639, 0.2024
Android (android.graphics.Color)	4286208677 (0xFF7A5AA5)
YUV	108.1180, 28.0428, 12.1745
Hunter-Lab	37.6384, 21.7442, -32.5014

Details

The XYZ color **18.4737, 14.1665, 37.3580** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.9738, 32.6353, 14.6563**, and the grayscale version is **14.2122, 14.9524, 16.2831**.

A 20% lighter version of the original color is **40.3476, 33.4472, 72.0395**, and **6.4430, 4.2596, 16.1054** is the 20% darker color. If you saturate the color by 10%, you get **15.9585, 11.0284, 36.8851**, and if you desaturate by 10%, it is **21.4293, 17.9908, 37.9406**.

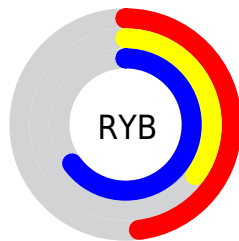
Distribution



Red (48%)

Green (35%)

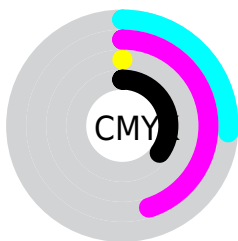
Blue (65%)



Red (48%)

Yellow (35%)

Blue (65%)

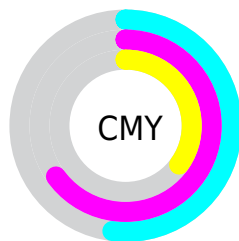


Cyan (26%)

Magenta (45%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (65%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4737, 14.1665, 37.3580 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 18.4737, 14.1665, 37.3580 by changing the saturation by 10% instead.

■ 18.4737, 14.1665,
37.3580

■ 18.4737, 14.1665,
37.3580

236.5220,
218.2642, 350.0731

■ 11.3924, 8.2366,
25.1868

■ 40.3666, 33.3842,
72.3155

■ 6.4006, 4.2467,
15.9960

■ 55.9090, 47.4407,
95.9390

■ 3.1331, 1.8125,
9.3670

■ 75.0023, 64.9748,
124.2169

■ 1.2246, 0.4949,
4.8813

■ 98.0120, 86.3710,
157.5679

■ 0.1256, 0.0000,
2.1202

■ 125.3035,
112.0137, 196.4105

■ 0.0000, 0.0000,
0.6278

157.2421,

■ 0.0000, 0.0000,

142.2872, 241.1632

0.0000

194.1931,

177.5759, 292.2445

■ 18.4737, 14.1665,
37.3580

■ 18.4737, 14.1665,
37.3580

■ 15.9585, 11.0284,
36.8851

■ 21.4293, 17.9908,
37.9406

■ 13.8577, 8.5315,
36.5139

■ 24.8460, 22.5390,
38.6384

■ 12.1448, 6.6280,
36.2367

■ 28.7451, 27.8480,
39.4577

■ 10.7889, 5.2623,
36.0446

■ 33.1460, 33.9517,
40.4039

■ 9.7514, 4.3634,
35.9258

■ 38.0669, 40.8817,
41.4821

■ 9.3464, 4.0337,
35.8835

■ 43.5250, 48.6682,
42.6974

■ 49.5369, 57.3396,
44.0543

■ 56.1183, 66.9231,
45.5572

■ 63.2843, 77.4446,
47.2104

Harmonies

Analogous

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



14.6150, 14.1665, 45.6721



18.4737, 14.1665, 37.3580



21.2831, 14.1665, 23.9531

Triad

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



18.4737, 14.1665, 37.3580



16.1827, 14.1665, 3.1330



7.5776, 14.1665, 18.8562

Complementary

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



18.4737, 14.1665, 37.3580



24.9738, 32.6353, 14.6563

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.



7.8426, 14.1665, 9.2075



18.4737, 14.1665, 37.3580



12.3767, 14.1665, 2.7679

Square

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



18.4737, 14.1665, 37.3580



19.8007, 14.1665, 5.8067



9.4546, 14.1665, 4.3758



8.6491, 14.1665, 32.1932

Rectangle

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



18.4737, 14.1665, 37.3580



21.9294, 14.1665, 15.7751



9.4546, 14.1665, 4.3758



7.5183, 14.1665, 15.0800

Sweetspot

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



18.4742, 14.1671, 37.3583



52.3755, 51.1057, 70.8562



19.4990, 21.8719, 38.7915



11.1163, 10.7134, 15.4195



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.



18.4742, 14.1671, 37.3583



28.3528, 19.4737, 66.0168



24.6966, 17.3748, 37.6495



6.9736, 7.0008, 8.8868



7.1255, 3.0798, 27.1487



0.2033, 0.0923, 0.5730

Inverse Universe

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



23.4072, 17.0056, 24.2393



38.7034, 25.4413, 37.9614



20.1512, 30.1491, 14.4307



7.2359, 7.1508, 8.2289



13.3131, 6.6813, 8.8392



0.3027, 0.1496, 0.3068

Previews

White Background



This preview shows how the XYZ color 18.4737, 14.1665, 37.3580 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 18.4737, 14.1665, 37.3580 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 18.4737, 14.1665, 37.3580

Background



This preview shows how black text looks on a background with the XYZ color 18.4737, 14.1665, 37.3580.



This preview shows how white text looks on a background with the XYZ color 18.4737, 14.1665,

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

18.4737, 14.1665, 37.3580

Protanopia

15.6877, 14.3707, 43.5420

Deuteranopia

14.6337, 14.2896, 36.1693



Tritanopia

14.2479, 14.0733, 16.7173

Trichromacy



Original Color

18.4737, 14.1665, 37.3580

Protanomaly

16.3241, 14.0278, 41.3824

Deuteranomaly

15.6822, 14.0858, 36.5426

Tritanomaly

15.5994, 14.0601, 23.0108

Monochromacy



Original Color

18.4737, 14.1665, 37.3580

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.4262, 14.4031, 22.7359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4737, 14.1665, 37.3580 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(122, 90, 165)` looks like.

```
.text, #text, p{  
    color:rgb(122, 90, 165)  
}
```

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(122, 90, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 90, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.4737, 14.1665, 37.3580 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(122, 90, 165) }
```


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

```
.border{ border-color:rgb(122, 90, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 90, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 90, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 90, 165);  
box-shadow:4px 4px 4px 4px rgb(122, 90,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4737, 14.1665, 37.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 90, 165) }
```

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

```
.background{ background-color: rgb(122, 90,  
165) }
```

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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