

Converting Colors

XYZ(18.5256, 14.3884, 36.5456)

Have a look what the booklet for
XYZ(18.5256, 14.3884, 36.5456)
contains.

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Color

**XYZ(18.5203, 14.3375,
36.4416)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5BA3
RGB	123, 91, 163
RGB Percent	48%, 36%, 64%
CMY	0.5176, 0.6431, 0.3608
CMYK	0.25, 0.44, 0.00, 0.36
HSL	267°, 28%, 50%
HSV	267°, 44%, 64%
XYZ	18.5203, 14.3375, 36.4416
YIQ	108.7760, -4.0400, 29.1760

Conversions

Conversions Part 2

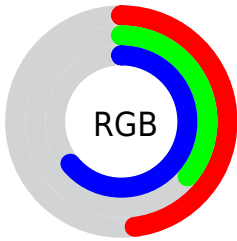
Format	Color
R _Y B	123, 91, 163
Decimal	8084387
CIE Lab	44.71, 28.18, -34.18
CIE LCh	45, 44.299, 309.500
Yxy	14.3375, 0.2673, 0.2069
Android (android.graphics.Color)	4286274467 (0xFF7B5BA3)
YUV	108.7760, 26.7324, 12.4744
Hunter-Lab	37.8649, 21.0435, -30.5559

Details

The XYZ color **18.5203, 14.3375, 36.4416** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.3460, 31.7754, 14.7482**, and the grayscale version is **14.4005, 15.1504, 16.4988**.

A 20% lighter version of the original color is **40.4594, 33.7551, 70.7126**, and **6.4424, 4.3268, 15.5345** is the 20% darker color. If you saturate the color by 10%, you get **16.0393, 11.2101, 35.9690**, and if you desaturate by 10%, it is **21.4249, 18.1331, 37.0214**.

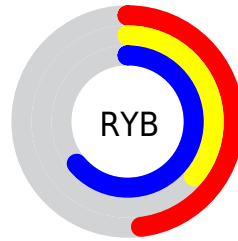
Distribution



Red (48%)

Green (36%)

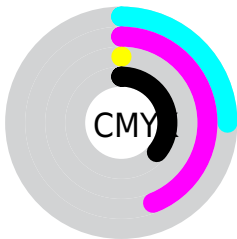
Blue (64%)



Red (48%)

Yellow (36%)

Blue (64%)

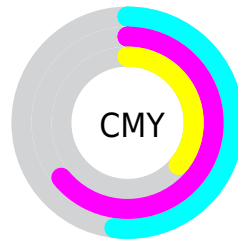


Cyan (25%)

Magenta (44%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (64%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5203, 14.3375, 36.4416 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 18.5203, 14.3375, 36.4416 by changing the saturation by 10% instead.

■ 18.5203, 14.3375,
36.4416

■ 18.5203, 14.3375,
36.4416

236.7769,
219.3204, 345.9822

■ 11.4261, 8.3558,
24.4831

■ 40.4451, 33.6867,
70.8898

■ 6.4236, 4.3234,
15.4768

■ 56.0064, 47.8229,
94.2166

■ 3.1474, 1.8561,
9.0044

■ 75.1209, 65.4461,
122.1698

■ 1.2322, 0.5218,
4.6472

■ 98.1537, 86.9407,
155.1681

■ 0.1316, 0.0000,
1.9867

125.4704,
112.6910, 193.6299

■ 0.0000, 0.0000,
0.5471

157.4363,

■ 0.0000, 0.0000,

143.0815, 237.9739

0.0000

194.4166,
178.4965, 288.6184

■ 18.5203, 14.3375,
36.4416

■ 18.5203, 14.3375,
36.4416

■ 16.0393, 11.2101,
35.9690

■ 21.4249, 18.1331,
37.0214

■ 13.9572, 8.7079,
35.5957

■ 24.7726, 22.6329,
37.7135

■ 12.2490, 6.7854,
35.3147

■ 28.5835, 27.8722,
38.5239

■ 10.8858, 5.3901,
35.1172

■ 32.8760, 33.8833,
39.4579

■ 9.8333, 4.4587,
34.9929

■ 37.6674, 40.6968,
40.5205

■ 9.3167, 4.0392,
34.9392

■ 42.9741, 48.3414,
41.7164

■ 48.8117, 56.8444,
43.0500

■ 55.1951, 66.2320,
44.5255

■ 62.1387, 76.5291,
46.1471

Harmonies

Analogous

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



14.8018, 14.3375, 44.4528



18.5203, 14.3375, 36.4416



21.1916, 14.3375, 23.6313

Triad

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



18.5203, 14.3375, 36.4416



16.1974, 14.3375, 3.4332



7.8780, 14.3375, 19.1162

Complementary

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



18.5203, 14.3375, 36.4416



24.3460, 31.7754, 14.7482

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.



8.1187, 14.3375, 9.6481



18.5203, 14.3375, 36.4416



12.5167, 14.3375, 3.0873

Square

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



18.5203, 14.3375, 36.4416



19.6951, 14.3375, 6.0933



9.6824, 14.3375, 4.7683



8.9546, 14.3375, 31.9160

Rectangle

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



18.5203, 14.3375, 36.4416



21.7849, 14.3375, 15.7845



9.6824, 14.3375, 4.7683



7.8125, 14.3375, 15.4389

Sweetspot

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



18.5208, 14.3381, 36.4419



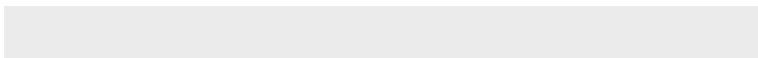
51.8680, 50.8578, 69.1389



19.1499, 21.3174, 37.7559



11.3040, 10.9433, 15.4540



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.



18.5208, 14.3381, 36.4419



28.8014, 20.1706, 64.4314



24.4923, 17.4165, 36.7214



6.9853, 7.0068, 8.8874



7.2914, 3.1654, 27.1565



0.2073, 0.0944, 0.5731

Inverse Universe

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



22.9425, 16.9079, 23.5276



38.0610, 25.5605, 37.0145



19.7888, 29.4260, 14.5349



7.2307, 7.1487, 8.2015



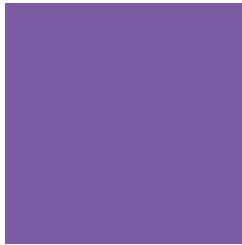
13.2147, 6.6419, 8.3211



0.3010, 0.1489, 0.2976

Previews

White Background



This preview shows how the XYZ color 18.5203, 14.3375, 36.4416 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 18.5203, 14.3375, 36.4416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

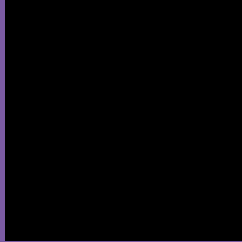
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5203, 14.3375, 36.4416

Background



This preview shows how black text looks on a background with the XYZ color 18.5203, 14.3375, 36.4416.



This preview shows how white text looks on a background with the XYZ color 18.5203, 14.3375,

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

18.5203, 14.3375, 36.4416

Protanopia

15.6509, 14.5344, 42.0249

Deuteranopia

14.8075, 14.5516, 35.2860



Tritanopia

14.6589, 14.4256, 17.0507

Trichromacy



Original Color

18.5203, 14.3375, 36.4416

Protanomaly

16.3336, 14.2056, 39.9113

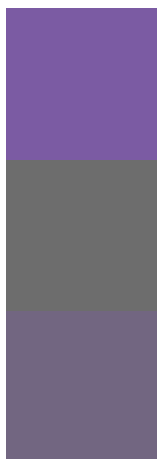
Deuteranomaly

15.9106, 14.3674, 35.6528

Tritanomaly

15.8272, 14.3173, 23.0484

Monochromacy



Original Color

18.5203, 14.3375, 36.4416

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.6532, 14.6651, 22.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5203, 14.3375, 36.4416 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, 91, 163)` looks like.

```
.text, #text, p{  
    color:rgb(123, 91, 163)  
}
```

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, 91, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 91, 163) }
```

Border

The CSS property to change the border of an element to XYZ 18.5203, 14.3375, 36.4416 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, 91, 163) }
```


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

```
.border{ border-color:rgb(123, 91, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 91, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 91, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 91, 163);  
box-shadow:4px 4px 4px 4px rgb(123, 91,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5203, 14.3375, 36.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 91, 163) }
```

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

```
.background{ background-color: rgb(123, 91,  
163) }
```

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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