

Converting Colors

XYZ(18.4338, 14.3516, 28.7284)

Have a look what the booklet for
XYZ(18.4338, 14.3516, 28.7284)
contains.

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Color

**XYZ(18.4399, 14.3432,
28.5847)**

Conversions

Conversions Part 1

Format	Color
Hex	855A91
RGB	133, 90, 145
RGB Percent	52%, 35%, 57%
CMY	0.4784, 0.6470, 0.4314
CMYK	0.08, 0.38, 0.00, 0.43
HSL	287°, 23%, 46%
HSV	287°, 38%, 57%
XYZ	18.4399, 14.3432, 28.5847
YIQ	109.1270, 7.9730, 26.2210

Conversions

Conversions Part 2

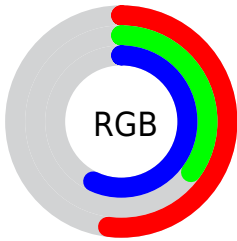
Format	Color
R_{YB}	133, 90, 145
Decimal	8739473
CIE _{Lab}	44.72, 27.72, -23.37
CIE _{LCh}	45, 36.259, 319.869
Yxy	14.3432, 0.3005, 0.2337
Android (android.graphics.Color)	4286929553 (0xFF855A91)
YUV	109.1270, 17.6854, 20.9366
Hunter-Lab	37.8724, 20.6341, -18.2392

Details

The XYZ color **18.4399, 14.3432, 28.5847** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.4508, 23.8141, 13.3503**, and the grayscale version is **14.5221, 15.2783, 16.6381**.

A 20% lighter version of the original color is **40.3272, 33.7381, 58.4195**, and **6.3639, 4.3297, 11.0900** is the 20% darker color. If you saturate the color by 10%, you get **16.8423, 11.8780, 28.1933**, and if you desaturate by 10%, it is **20.2921, 17.2946, 29.0570**.

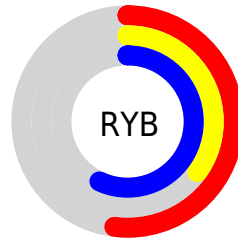
Distribution



Red (52%)

Green (35%)

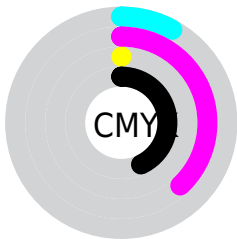
Blue (57%)



Red (52%)

Yellow (35%)

Blue (57%)

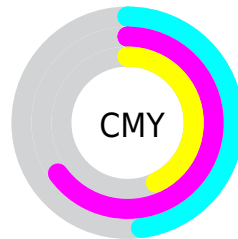


Cyan (8%)

Magenta (38%)

Yellow (0%)

Black (43%)



Cyan (48%)

Magenta (65%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4399, 14.3432, 28.5847 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 18.4399, 14.3432, 28.5847 by changing the saturation by 10% instead.

■ 18.4399, 14.3432,
28.5847

■ 18.4399, 14.3432,
28.5847

236.3369,
219.3556, 309.2498

■ 11.3679, 8.3598,
18.5240

■ 40.3097, 33.6968,
58.4509

■ 6.3839, 4.3260,
11.1535

■ 55.8382, 47.8357,
79.0935

■ 3.1228, 1.8575,
6.0547

■ 74.9163, 65.4618,
104.1004

■ 1.2190, 0.5227,
2.8091

■ 97.9092, 86.9597,
133.8903

■ 0.1213, 0.0000,
0.9980

■ 125.1824,
112.7136, 168.8816

■ 0.0000, 0.0000,
0.0000

157.1011,

143.1079, 209.4930

194.0309,
178.5271, 256.1428

■ 18.4399, 14.3432,
28.5847

■ 18.4399, 14.3432,
28.5847

■ 16.8423, 11.8780,
28.1933

■ 20.2921, 17.2946,
29.0570

■ 15.4838, 9.8692,
27.8772

■ 22.4105, 20.7560,
29.6134

■ 14.3493, 8.2866,
27.6315

■ 24.8074, 24.7519,
30.2584

■ 13.4215, 7.0955,
27.4505

■ 27.4942, 29.3046,
30.9955

■ 12.6801, 6.2557,
27.3274

■ 30.4815, 34.4352,
31.8284

■ 12.0855, 5.6883,
27.2493

■ 33.7793, 40.1636,
32.7603

■ 11.9680, 5.5793,
27.2344

■ 37.3972, 46.5088,
33.7944

■ 41.3445, 53.4891,
34.9336

■ 45.6299, 61.1217,
36.1810

Harmonies

Analogous

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



15.6506, 14.3432, 36.3890



18.4399, 14.3432, 28.5847



20.0057, 14.3432, 18.6491

Triad

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



18.4399, 14.3432, 28.5847



14.6539, 14.3432, 4.4706



8.9682, 14.3432, 21.8070

Complementary

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



18.4399, 14.3432, 28.5847



17.4508, 23.8141, 13.3503

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.



8.7812, 14.3432, 12.9333



18.4399, 14.3432, 28.5847



11.7963, 14.3432, 4.7875

Square

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



18.4399, 14.3432, 28.5847



17.6205, 14.3432, 6.2060



9.7434, 14.3432, 7.3195



10.2972, 14.3432, 31.5994

Rectangle

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



18.4399, 14.3432, 28.5847



20.0115, 14.3432, 12.9979



9.7434, 14.3432, 7.3195



8.7779, 14.3432, 18.5669

Sweetspot

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



18.4404, 14.3438, 28.5850



42.9531, 41.8569, 53.7889



14.1615, 13.8860, 28.7222



9.4409, 9.1203, 11.9350



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.4404, 14.3438, 28.5850



30.4203, 21.6634, 50.5517



19.3853, 14.9533, 23.1016



5.5127, 5.4525, 6.7907



10.2877, 4.7971, 23.3608



0.1168, 0.0554, 0.2242

Inverse Universe

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



17.7319, 14.2919, 14.3949



29.0944, 21.6396, 20.6799



16.8750, 23.4379, 16.9101



5.4541, 5.4422, 5.8891



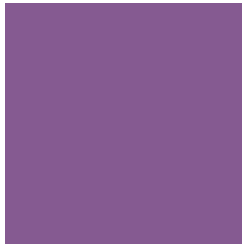
10.2437, 5.2545, 1.6685



0.1049, 0.0530, 0.0526

Previews

White Background



This preview shows how the XYZ color 18.4399, 14.3432, 28.5847 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 18.4399, 14.3432, 28.5847 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 18.4399, 14.3432, 28.5847

Background



This preview shows how black text looks on a background with the XYZ color 18.4399, 14.3432, 28.5847.



This preview shows how white text looks on a background with the XYZ color 18.4399, 14.3432,

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

18.4399, 14.3432, 28.5847

Protanopia

15.0709, 14.4248, 33.4424

Deuteranopia

14.7579, 14.5429, 27.6204



Tritanopia

15.7216, 14.2880, 15.5649

Trichromacy



Original Color

18.4399, 14.3432, 28.5847

Protanomaly

15.9550, 14.1939, 31.6045

Deuteranomaly

15.8218, 14.3487, 27.9223

Tritanomaly

16.5356, 14.2076, 19.6401

Monochromacy



Original Color

18.4399, 14.3432, 28.5847

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.7354, 14.7594, 20.4319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4399, 14.3432, 28.5847 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(133, 90, 145)` looks like.

```
.text, #text, p{  
    color:rgb(133, 90, 145)  
}
```

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(133, 90, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 90, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.4399, 14.3432, 28.5847 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(133, 90, 145) }
```


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

```
.border{ border-color:rgb(133, 90, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 90, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 90, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 90, 145);  
box-shadow:4px 4px 4px 4px rgb(133, 90,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4399, 14.3432, 28.5847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 90, 145) }
```

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

```
.background{ background-color: rgb(133, 90,  
145) }
```

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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