

Converting Colors

XYZ(23.8091, 14.3759, 32.0004)

Have a look what the booklet for
XYZ(23.8091, 14.3759, 32.0004)
contains.

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Color

**XYZ(23.8715, 14.4385,
32.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	A8419A
RGB	168, 65, 154
RGB Percent	66%, 25%, 60%
CMY	0.3412, 0.7451, 0.3961
CMYK	0.00, 0.61, 0.08, 0.34
HSL	308°, 44%, 46%
HSV	308°, 61%, 66%
XYZ	23.8715, 14.4385, 32.1006
YIQ	105.9430, 32.8190, 49.5150

Conversions

Conversions Part 2

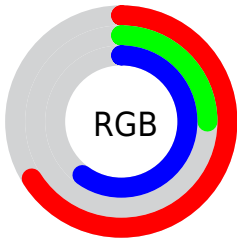
Format	Color
R_{YB}	168, 65, 154
Decimal	11026842
CIE _{Lab}	44.86, 53.16, -28.19
CIE _{LCh}	45, 60.168, 332.064
Yxy	14.4385, 0.3390, 0.2051
Android (android.graphics.Color)	4289216922 (0xFFA8419A)
YUV	105.9430, 23.6921, 54.4240
Hunter-Lab	37.9980, 45.6425, -23.4894

Details

The XYZ color **23.8715, 14.4385, 32.1006** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.5946, 29.6942, 12.2024**, and the grayscale version is **13.6155, 14.3246, 15.5994**.

A 20% lighter version of the original color is **49.4695, 33.9659, 64.2703**, and **9.2083, 4.4700, 12.9478** is the 20% darker color. If you saturate the color by 10%, you get **22.8583, 12.7133, 30.8334**, and if you desaturate by 10%, it is **25.1761, 16.7401, 33.4830**.

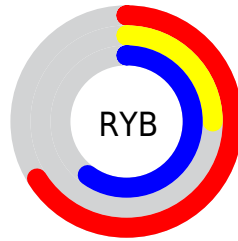
Distribution



Red (66%)

Green (25%)

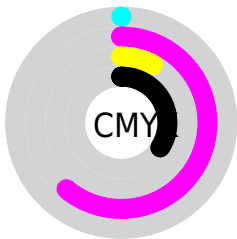
Blue (60%)



Red (66%)

Yellow (25%)

Blue (60%)

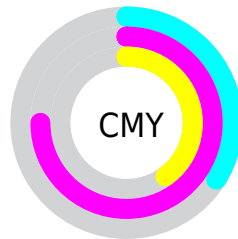


Cyan (0%)

Magenta (61%)

Yellow (8%)

Black (34%)



Cyan (34%)


Magenta (75%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8715, 14.4385, 32.1006 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 23.8715, 14.4385, 32.1006 by changing the saturation by 10% instead.


 23.8715, 14.4385,
32.1006


 23.8715, 14.4385,
32.1006


264.6227,
219.9420, 326.0841


 15.3625, 8.4263,
21.1729


 49.2766, 33.8651,
64.0685


 9.1622, 4.3689,
13.0580


 66.9035, 48.0482,
85.9458


 4.9051, 1.8820,
7.3373


 88.3004, 65.7238,
112.3100

 2.2259, 0.5375,
3.5923

 113.8327, 87.2762,
143.5797

 0.7563, 0.0000,
1.4044

 143.8657,
113.0898, 180.1734

 0.0000, 0.0000,
0.1452

178.7648,

 0.0000, 0.0000,

143.5491, 222.5097

0.0000

218.8954,
179.0383, 271.0071

■ 23.8715, 14.4385,
32.1006

■ 23.8715, 14.4385,
32.1006

■ 22.8583, 12.7133,
30.8334

■ 25.1761, 16.7401,
33.4830

■ 22.1087, 11.5100,
29.6718

■ 26.7937, 19.6622,
34.9876

■ 21.5921, 10.7668,
28.6054

■ 28.7456, 23.2469,
36.6216

■ 21.2722, 10.3743,
27.7358

■ 31.0507, 27.5323,
38.3916

■ 33.7267, 32.5534,
40.3034

■ 36.7897, 38.3427,
42.3625

■ 40.2553, 44.9311,
44.5743

■ 44.1379, 52.3476,
46.9435

■ 48.4513, 60.6197,
49.4751

Harmonies

Analogous

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



19.3719, 14.4385, 51.5844



23.8715, 14.4385, 32.1006



25.4896, 14.4385, 14.7670

Triad

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



23.8715, 14.4385, 32.1006



13.3861, 14.4385, 1.2233



7.1752, 14.4385, 34.8931

Complementary

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



23.8715, 14.4385, 32.1006



17.5946, 29.6942, 12.2024

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.



6.2839, 14.4385, 16.7153



23.8715, 14.4385, 32.1006



9.2958, 14.4385, 2.1352

Square

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



23.8715, 14.4385, 32.1006



18.6401, 14.4385, 1.8880



6.9567, 14.4385, 6.1496



9.7575, 14.4385, 53.7651

Rectangle

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



23.8715, 14.4385, 32.1006



24.4678, 14.4385, 7.5929



6.9567, 14.4385, 6.1496



6.7000, 14.4385, 28.2262

Sweetspot

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



23.8720, 14.4392, 32.1009



57.7191, 52.5306, 70.6716



12.1612, 8.2594, 37.9995



12.2979, 10.9212, 15.1969



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.8720, 14.4392, 32.1009



40.8734, 22.0769, 55.0750



20.4759, 13.0807, 14.2172



7.7974, 7.6488, 9.2503



16.0775, 7.8397, 21.0174



0.4029, 0.1954, 0.5729

Inverse Universe

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



23.8720, 14.4392, 32.1009



40.8734, 22.0769, 55.0750



20.2282, 30.7477, 26.0709



7.7974, 7.6488, 9.2503



16.0775, 7.8397, 21.0174



0.4029, 0.1954, 0.5729

Previews

White Background



This preview shows how the XYZ color 23.8715, 14.4385, 32.1006 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 23.8715, 14.4385, 32.1006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

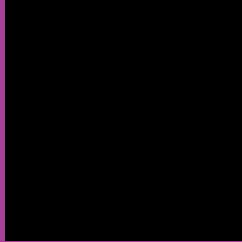
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8715, 14.4385, 32.1006

Background



This preview shows how black text looks on a background with the XYZ color 23.8715, 14.4385, 32.1006.



This preview shows how white text looks on a background with the XYZ color 23.8715, 14.4385,

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

23.8715, 14.4385, 32.1006

Protanopia

16.3742, 14.7537, 48.9984

Deuteranopia

14.9341, 14.5894, 29.6327



Tritanopia

19.5944, 14.4848, 11.2143

Trichromacy



Original Color

23.8715, 14.4385, 32.1006



Protanomaly

17.2197, 13.4107, 42.2384



Deuteranomaly

17.0463, 13.5793, 30.5768



Tritanomaly

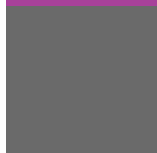
20.8749, 14.2537, 17.2738

Monochromacy



Original Color

23.8715, 14.4385, 32.1006



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

16.3695, 13.5794, 20.4972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8715, 14.4385, 32.1006 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(168, 65, 154)` looks like.

```
.text, #text, p{  
    color:rgb(168, 65, 154)  
}
```

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(168, 65, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 65, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.8715, 14.4385, 32.1006 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(168, 65, 154) }
```


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

```
.border{ border-color:rgb(168, 65, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 65, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 65, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 65, 154);  
box-shadow:4px 4px 4px 4px rgb(168, 65,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8715, 14.4385, 32.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 65, 154) }
```

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

```
.background{ background-color: rgb(168, 65,  
154) }
```

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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