

Converting Colors

XYZ(24.4700, 14.3360, 65.0961)

Have a look what the booklet for
XYZ(24.4700, 14.3360, 65.0961)
contains.

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Color

**XYZ(24.4191, 14.3455,
65.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	8845D6
RGB	136, 69, 214
RGB Percent	53%, 27%, 84%
CMY	0.4667, 0.7294, 0.1608
CMYK	0.36, 0.68, 0.00, 0.16
HSL	268°, 64%, 55%
HSV	268°, 68%, 84%
XYZ	24.4191, 14.3455, 65.1003
YIQ	105.5630, -6.6130, 59.2990

Conversions

Conversions Part 2

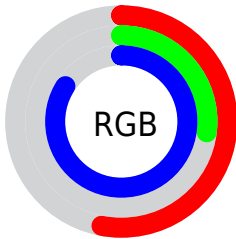
Format	Color
R _Y B	136, 69, 214
Decimal	8930774
CIE Lab	44.72, 56.12, -63.79
CIE LCh	45, 84.961, 311.337
Yxy	14.3455, 0.2351, 0.1381
Android (android.graphics.Color)	4287120854 (0xFF8845D6)
YUV	105.5630, 53.4594, 26.6932
Hunter-Lab	37.8755, 48.8007, -75.3948

Details

The XYZ color **24.4191, 14.3455, 65.1003** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **37.1531, 54.7259, 14.2354**, and the grayscale version is **13.4411, 14.1411, 15.3996**.

A 20% lighter version of the original color is **47.2577, 32.6084, 98.4110**, and **9.4220, 4.3054, 32.6822** is the 20% darker color. If you saturate the color by 10%, you get **21.5619, 11.2583, 64.6553**, and if you desaturate by 10%, it is **27.9529, 18.4860, 65.7135**.

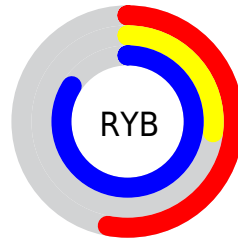
Distribution



Red (53%)

Green (27%)

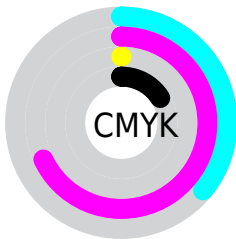
Blue (84%)



Red (53%)

Yellow (27%)

Blue (84%)

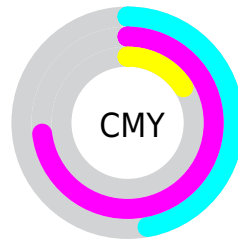


Cyan (36%)

Magenta (68%)

Yellow (0%)

Black (16%)



Cyan (47%)

Magenta (73%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4191, 14.3455, 65.1003 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 24.4191, 14.3455, 65.1003 by changing the saturation by 10% instead.

■ 24.4191, 14.3455,
65.1003

■ 24.4191, 14.3455,
65.1003

267.3338,
219.3697, 461.4684

■ 15.7712, 8.3614,
47.0906

■ 50.1630, 33.7008,
113.8087

■ 9.4522, 4.3270,
32.7524

■ 67.9897, 47.8408,
145.3444

■ 5.0968, 1.8581,
21.6673

■ 89.6067, 65.4682,
182.2259

■ 2.3395, 0.5230,
13.4166

■ 115.3793, 86.9673,
224.8717

■ 0.8148, 0.0000,
7.5820

■ 145.6730,
112.7226, 273.7003

■ 0.0000, 0.0000,
3.7447

180.8531,

■ 0.0000, 0.0000,

143.1186, 329.1302

1.4864

221.2849,
178.5395, 391.5801

■ 0.0000, 0.0000,
0.2077

■ 0.0000, 0.0000,
0.0000

■ 24.4191, 14.3455,
65.1003

■ 24.4191, 14.3455,
65.1003

■ 21.5619, 11.2583,
64.6553

■ 27.9529, 18.4860,
65.7135

■ 19.3192, 9.1122,
64.3593

■ 32.2132, 23.7732,
66.5095

■ 17.6094, 7.7532,
64.1871

■ 37.2468, 30.2913,
67.5024

■ 17.2710, 7.5014,
64.1563

■ 43.0957, 38.1163,
68.7045

■ 49.7987, 47.3174,
70.1272

■ 57.3917, 57.9594,
71.7811

■ 65.9088, 70.1024,
73.6760

■ 75.3819, 83.8033,
75.8213

■ 83.6991, 94.8314,
77.5115

Harmonies

Analogous

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



16.4152, 14.3455, 90.4365



24.4191, 14.3455, 65.1003



30.4794, 14.3455, 31.2214

Triad

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



24.4191, 14.3455, 65.1003



18.3404, 14.3455, 0.0000



4.3202, 14.3455, 24.3508

Complementary

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



24.4191, 14.3455, 65.1003



37.1531, 54.7259, 14.2354

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.



4.5275, 14.3455, 6.3378



24.4191, 14.3455, 65.1003



11.1879, 14.3455, 0.0000

Square

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



24.4191, 14.3455, 65.1003



26.2313, 14.3455, 1.5606



6.6111, 14.3455, 0.9312



5.8980, 14.3455, 56.6018

Rectangle

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



24.4191, 14.3455, 65.1003



31.6823, 14.3455, 14.7492



6.6111, 14.3455, 0.9312



4.2026, 14.3455, 16.5240

Sweetspot

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



24.4198, 14.3460, 65.1007



71.5004, 66.8289, 103.7385



25.3000, 27.5364, 67.6003



14.6895, 13.4584, 22.0735



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.4198, 14.3460, 65.1007



30.6087, 15.2907, 95.9459



39.9283, 22.3409, 65.8264



12.2825, 12.2870, 15.6618



10.5565, 4.5946, 38.7836



0.7316, 0.3261, 2.3437

Inverse Universe

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



35.1262, 20.6591, 29.7391



48.6218, 25.9334, 35.4971



28.1214, 50.0699, 13.8127



12.6998, 12.5314, 14.3591



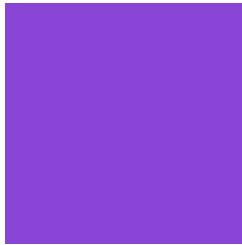
18.6894, 9.4121, 10.9344



1.1689, 0.5843, 0.8786

Previews

White Background



This preview shows how the XYZ color 24.4191, 14.3455, 65.1003 looks on a white background.

Color Contrast Check

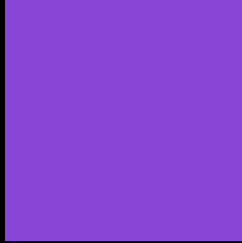
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4191, 14.3455, 65.1003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

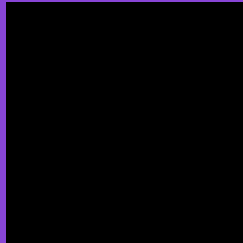
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4191, 14.3455, 65.1003

Background



This preview shows how black text looks on a background with the XYZ color 24.4191, 14.3455, 65.1003.



This preview shows how white text looks on a background with the XYZ color 24.4191, 14.3455,

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

24.4191, 14.3455, 65.1003

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.5479, 14.3992, 50.1567



Tritanopia

14.6361, 14.2734, 16.7355

Trichromacy



Original Color

24.4191, 14.3455, 65.1003



Protanomaly

17.1885, 12.8716, 65.8685



Deuteranomaly

15.4624, 12.7356, 55.0693



Tritanomaly

17.1698, 13.6614, 29.7489

Monochromacy



Original Color

24.4191, 14.3455, 65.1003



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

16.3613, 13.6549, 28.5614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4191, 14.3455, 65.1003 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(136, 69, 214)` looks like.

```
.text, #text, p{  
    color:rgb(136, 69, 214)  
}
```

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(136, 69, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 69, 214) }
```

Border

The CSS property to change the border of an element to XYZ 24.4191, 14.3455, 65.1003 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(136, 69, 214) }
```


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

```
.border{ border-color:rgb(136, 69, 214) }
```

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

Here you see how a box with a 4 pixel rgb(136, 69, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 69, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 69, 214);  
box-shadow:4px 4px 4px 4px rgb(136, 69,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4191, 14.3455, 65.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 69, 214) }
```

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

```
.background{ background-color: rgb(136, 69,  
214) }
```

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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