

Converting Colors

XYZ(24.3510, 14.0442, 63.4835)

Have a look what the booklet for
XYZ(24.3510, 14.0442, 63.4835)
contains.

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Color

**XYZ(24.4793, 14.1389,
63.7262)**

Conversions

Conversions Part 1

Format	Color
Hex	8B42D4
RGB	139, 66, 212
RGB Percent	55%, 26%, 83%
CMY	0.4549, 0.7412, 0.1686
CMYK	0.34, 0.69, 0.00, 0.17
HSL	270°, 63%, 55%
HSV	270°, 69%, 83%
XYZ	24.4793, 14.1389, 63.7262
YIQ	104.4710, -3.3580, 60.8820

Conversions

Conversions Part 2

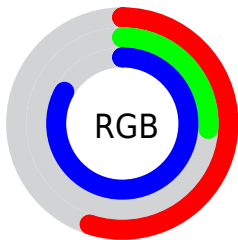
Format	Color
R_{YB}	139, 66, 212
Decimal	9126612
CIE _{Lab}	44.43, 57.64, -63.10
CIE _{LCh}	44, 85.465, 312.409
Yxy	14.1389, 0.2392, 0.1382
Android (android.graphics.Color)	4287316692 (0xFF8B42D4)
YUV	104.4710, 53.0118, 30.2819
Hunter-Lab	37.6017, 50.4032, -74.1616

Details

The XYZ color **24.4793, 14.1389, 63.7262** 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 **35.1744, 52.9695, 13.5248**, and the grayscale version is **13.1478, 13.8325, 15.0636**.

A 20% lighter version of the original color is **47.6728, 32.2840, 98.3265**, and **9.4267, 4.2148, 31.7692** is the 20% darker color. If you saturate the color by 10%, you get **21.7774, 11.2357, 63.3085**, and if you desaturate by 10%, it is **27.8130, 18.0491, 64.3055**.

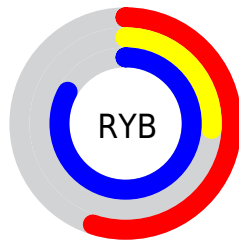
Distribution



Red (55%)

Green (26%)

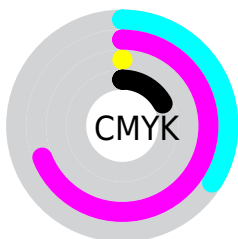
Blue (83%)



Red (55%)

Yellow (26%)

Blue (83%)

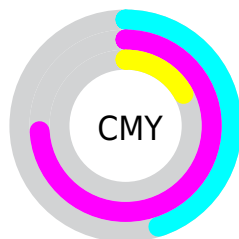


Cyan (34%)

Magenta (69%)

Yellow (0%)

Black (17%)



Cyan (45%)

Magenta (74%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4793, 14.1389, 63.7262 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 24.4793, 14.1389, 63.7262 by changing the saturation by 10% instead.

24.4793, 14.1389,
63.7262

24.4793, 14.1389,
63.7262

267.6305,
218.0932, 456.3805

15.8162, 8.2173,
45.9842

50.2602, 33.3353,
111.8122

9.4842, 4.2343,
31.8848

68.1088, 47.3789,
142.9933

5.1180, 1.8055,
21.0094

89.7498, 64.8986,
179.4911

2.3521, 0.4906,
12.9396

115.5488, 86.2789,
221.7242

0.8211, 0.0000,
7.2567

145.8710,
111.9041, 270.1112

0.0000, 0.0000,
3.5423

181.0818,

0.0000, 0.0000,

142.1586, 325.0705

1.3778

221.5465,
177.4269, 387.0208

■ 0.0000, 0.0000,
0.1243

■ 0.0000, 0.0000,
0.0000

■ 24.4793, 14.1389,
63.7262

■ 24.4793, 14.1389,
63.7262

■ 21.7774, 11.2357,
63.3085

■ 27.8130, 18.0491,
64.3055

■ 19.6467, 9.2283,
63.0333

■ 31.8265, 23.0581,
65.0608

■ 17.9977, 7.9441,
62.8724

■ 36.5651, 29.2489,
66.0060

■ 17.8279, 7.8178,
62.8570

■ 42.0690, 36.6956,
67.1533

■ 48.3754, 45.4662,
68.5138

■ 55.5187, 55.6236,
70.0979

■ 63.5313, 67.2269,
71.9152

■ 72.4438, 80.3313,
73.9749

■ 81.7072, 93.8339,
76.0929

Harmonies

Analogous

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



16.4862, 14.1389, 89.9470



24.4793, 14.1389, 63.7262



30.4026, 14.1389, 29.9167

Triad

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



24.4793, 14.1389, 63.7262



17.8458, 14.1389, 0.0000



4.2174, 14.1389, 25.0548

Complementary

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



24.4793, 14.1389, 63.7262



35.1744, 52.9695, 13.5248

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.



4.3619, 14.1389, 6.5495



24.4793, 14.1389, 63.7262



10.7918, 14.1389, 0.0000

Square

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



24.4793, 14.1389, 63.7262



25.7624, 14.1389, 1.3732



6.3460, 14.1389, 0.9441



5.8469, 14.1389, 57.6841

Rectangle

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



24.4793, 14.1389, 63.7262



31.4605, 14.1389, 13.8568



6.3460, 14.1389, 0.9441



4.0815, 14.1389, 17.0428

Sweetspot

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



24.4800, 14.1394, 63.7265



71.1082, 65.7343, 103.5479



23.3634, 24.3774, 65.7615



14.6388, 13.2590, 22.0376



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.



24.4800, 14.1394, 63.7265



31.3534, 15.3796, 95.9238



40.9835, 22.6473, 64.4989



12.3283, 12.3106, 15.6639



11.1216, 4.8859, 38.8101



0.7663, 0.3439, 2.3453

Inverse Universe

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



33.7600, 19.7579, 26.4603



47.5553, 25.1888, 30.8616



26.7739, 48.6389, 13.1317



12.6796, 12.5233, 14.2531



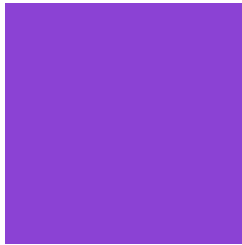
18.4185, 9.3037, 9.5078



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 24.4793, 14.1389, 63.7262 looks on a white background.

Color Contrast Check

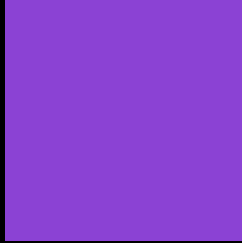
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4793, 14.1389, 63.7262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

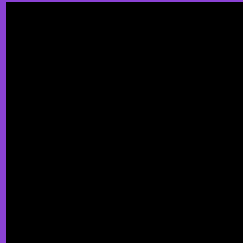
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.4793, 14.1389, 63.7262

Background



This preview shows how black text looks on a background with the XYZ color 24.4793, 14.1389, 63.7262.



This preview shows how white text looks on a background with the XYZ color 24.4793, 14.1389,

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

24.4793, 14.1389, 63.7262

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.4397, 14.3560, 49.5869



Tritanopia

14.8717, 14.1190, 16.1288

Trichromacy



Original Color

24.4793, 14.1389, 63.7262



Protanomaly

17.0752, 12.7036, 65.1704



Deuteranomaly

15.3576, 12.5637, 54.4389



Tritanomaly

17.2822, 13.4904, 28.8872

Monochromacy



Original Color

24.4793, 14.1389, 63.7262



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

15.9502, 13.0774, 27.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4793, 14.1389, 63.7262 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(139, 66, 212)` looks like.

```
.text, #text, p{  
    color:rgb(139, 66, 212)  
}
```

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(139, 66, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 66, 212) }
```

Border

The CSS property to change the border of an element to XYZ 24.4793, 14.1389, 63.7262 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(139, 66, 212) }
```


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

```
.border{ border-color:rgb(139, 66, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 66, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 66, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 66, 212);  
box-shadow:4px 4px 4px 4px rgb(139, 66,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4793, 14.1389, 63.7262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 66, 212) }
```

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

```
.background{ background-color: rgb(139, 66,  
212) }
```

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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