

Converting Colors

XYZ(22.8433, 14.4026, 17.0445)

Have a look what the booklet for
XYZ(22.8433, 14.4026, 17.0445)
contains.

XYZ(22.8363, 14.4143, 16.9079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.8363, 14.4143,
16.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	B04370
RGB	176, 67, 112
RGB Percent	69%, 26%, 44%
CMY	0.3098, 0.7372, 0.5608
CMYK	0.00, 0.62, 0.36, 0.31
HSL	335°, 45%, 48%
HSV	335°, 62%, 69%
XYZ	22.8363, 14.4143, 16.9079
YIQ	104.7210, 50.5190, 37.1030

Conversions

Conversions Part 2

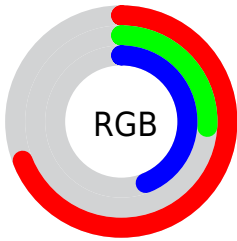
Format	Color
R_{YB}	176, 67, 112
Decimal	11551600
CIE _{Lab}	44.82, 48.68, -2.64
CIE _{LCh}	45, 48.747, 356.901
Yxy	14.4143, 0.4217, 0.2662
Android (android.graphics.Color)	4289741680 (0xFFB04370)
YUV	104.7210, 3.5885, 62.5117
Hunter-Lab	37.9662, 40.9253, 0.1720

Details

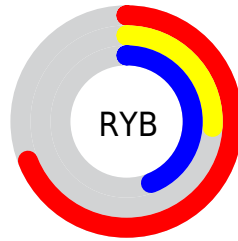
The XYZ color **22.8363, 14.4143, 16.9079** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.9377, 33.8831, 26.8587**, and the grayscale version is **13.3336, 14.0279, 15.2764**.

A 20% lighter version of the original color is **47.6783, 33.7754, 39.1284**, and **8.5440, 4.3138, 5.2328** is the 20% darker color. If you saturate the color by 10%, you get **21.4016, 12.4136, 13.7518**, and if you desaturate by 10%, it is **24.6558, 17.0788, 20.5184**.

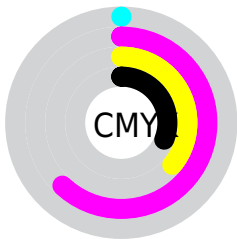
Distribution



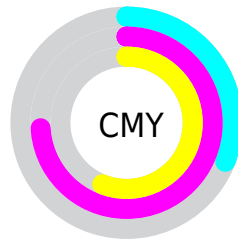
- Red (69%)
- Green (26%)
- Blue (44%)



- Red (69%)
- Yellow (26%)
- Blue (44%)



- Cyan (0%)
- Magenta (62%)
- Yellow (36%)
- Black (31%)



- Cyan (31%)
- Magenta (74%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8363, 14.4143, 16.9079 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 22.8363, 14.4143, 16.9079 by changing the saturation by 10% instead.

■ 22.8363, 14.4143,
16.9079

■ 22.8363, 14.4143,
16.9079

259.4341,
219.7932, 246.6670

■ 14.5927, 8.4094,
10.0076

■ 47.5930, 33.8224,
38.9558

■ 8.6185, 4.3580,
5.2983

■ 64.8369, 47.9943,
54.9405

■ 4.5483, 1.8758,
2.3616

■ 85.8115, 65.6573,
74.7904

■ 2.0168, 0.5337,
0.7654

■ 110.8823, 87.1959,
98.9241

■ 0.6433, 0.0000,
0.0000

■ 140.4146,
112.9944, 127.7600

■ 0.0000, 0.0000,
0.0000

174.7738,

143.4371, 161.7168

214.3252,
178.9086, 201.2130

■ 22.8363, 14.4143,
16.9079

■ 22.8363, 14.4143,
16.9079

■ 21.4016, 12.4136,
13.7518

■ 24.6558, 17.0788,
20.5184

■ 20.3185, 11.0138,
11.0277

■ 26.8870, 20.4578,
24.6024

■ 19.5494, 10.1438,
8.7116

■ 29.5560, 24.5998,
29.1787

■ 19.0957, 9.7066,
7.1107

■ 32.6858, 29.5483,
34.2644

■ 36.2983, 35.3435,
39.8761

■ 40.4134, 42.0228,
46.0294

■ 45.0503, 49.6216,
52.7390

■ 50.2270, 58.1731,
60.0194

■ 55.9605, 67.7089,
67.8841

Harmonies

Analogous

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



21.1518, 14.4143, 30.9381



22.8363, 14.4143, 16.9079



21.7085, 14.4143, 7.7285

Triad

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



22.8363, 14.4143, 16.9079



10.5252, 14.4143, 3.1493



9.9363, 14.4143, 42.0980

Complementary

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



22.8363, 14.4143, 16.9079



21.9377, 33.8831, 26.8587

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.



7.9526, 14.4143, 27.8267



22.8363, 14.4143, 16.9079



8.2435, 14.4143, 6.5197

Square

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



22.8363, 14.4143, 16.9079



14.1177, 14.4143, 2.4144



7.3983, 14.4143, 14.5410



13.2914, 14.4143, 49.2649

Rectangle

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



22.8363, 14.4143, 16.9079



19.6137, 14.4143, 4.5239



7.3983, 14.4143, 14.5410



9.1139, 14.4143, 37.7149

Sweetspot

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



22.8367, 14.4151, 16.9082



60.8963, 56.1686, 64.6933



19.1401, 11.9420, 42.3705



12.8208, 11.5719, 13.4257



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.8367, 14.4151, 16.9082



38.0859, 21.5434, 23.1921



21.5084, 14.8166, 7.0375



8.6370, 8.5615, 9.5867



14.0386, 7.1330, 5.3631



0.4710, 0.2362, 0.3232

Inverse Universe

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



22.8367, 14.4151, 16.9082



38.0859, 21.5434, 23.1921



23.9552, 31.9352, 45.9758



8.6370, 8.5615, 9.5867



14.0386, 7.1330, 5.3631



0.4710, 0.2362, 0.3232

Previews

White Background



This preview shows how the XYZ color 22.8363, 14.4143, 16.9079 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 22.8363, 14.4143, 16.9079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

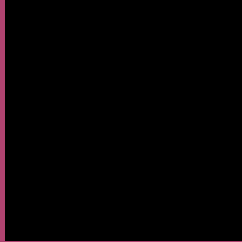
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8363, 14.4143, 16.9079

Background



This preview shows how black text looks on a background with the XYZ color 22.8363, 14.4143, 16.9079.



This preview shows how white text looks on a background with the XYZ color 22.8363, 14.4143,

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

22.8363, 14.4143, 16.9079

Protanopia

14.8150, 14.7669, 25.7364

Deuteranopia

14.8402, 14.5439, 15.9350



Tritanopia

21.3156, 14.4607, 9.0649

Trichromacy



Original Color

22.8363, 14.4143, 16.9079

Protanomaly

16.4758, 13.7248, 22.2029

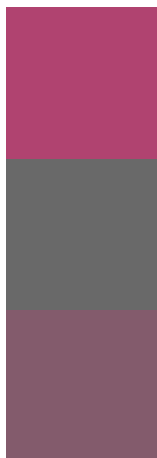
Deuteranomaly

16.8977, 13.8197, 16.2449

Tritanomaly

21.8208, 14.3758, 11.5222

Monochromacy



Original Color

22.8363, 14.4143, 16.9079

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.8079, 13.3902, 15.9388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8363, 14.4143, 16.9079 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(176, 67, 112)` looks like.

```
.text, #text, p{  
    color:rgb(176, 67, 112)  
}
```

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(176, 67, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 67, 112) }
```

Border

The CSS property to change the border of an element to XYZ 22.8363, 14.4143, 16.9079 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(176, 67, 112) }
```


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

```
.border{ border-color:rgb(176, 67, 112) }
```

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

Here you see how a box with a 4 pixel rgb(176, 67, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 67, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 67, 112);  
box-shadow:4px 4px 4px 4px rgb(176, 67,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8363, 14.4143, 16.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 67, 112) }
```

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

```
.background{ background-color: rgb(176, 67,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor