

Converting Colors

XYZ(22.1701, 14.9435, 23.9043)

Have a look what the booklet for
XYZ(22.1701, 14.9435, 23.9043)
contains.

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Color

**XYZ(22.2679, 15.0347,
23.9187)**

Conversions

Conversions Part 1

Format	Color
Hex	A44E85
RGB	164, 78, 133
RGB Percent	64%, 31%, 52%
CMY	0.3569, 0.6941, 0.4784
CMYK	0.00, 0.52, 0.19, 0.36
HSL	322°, 36%, 47%
HSV	322°, 52%, 64%
XYZ	22.2679, 15.0347, 23.9187
YIQ	109.9840, 33.6010, 35.3370

Conversions

Conversions Part 2

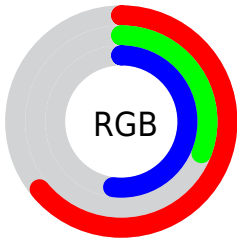
Format	Color
RYB	164, 78, 133
Decimal	10768005
CIELab	45.68, 42.37, -14.33
CIElCh	46, 44.724, 341.314
Yxy	15.0347, 0.3637, 0.2456
Android (android.graphics.Color)	4288958085 (0xFFA44E85)
YUV	109.9840, 11.3469, 47.3720
Hunter-Lab	38.7746, 34.6554, -9.4317

Details

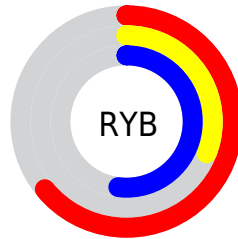
The XYZ color **22.2679, 15.0347, 23.9187** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.1784, 29.2753, 19.1091**, and the grayscale version is **14.7786, 15.5482, 16.9320**.

A 20% lighter version of the original color is **46.6644, 34.8826, 50.7279**, and **8.3394, 4.6348, 8.6387** is the 20% darker color. If you saturate the color by 10%, you get **20.8477, 12.8296, 21.4866**, and if you desaturate by 10%, it is **24.0026, 17.8316, 26.5694**.

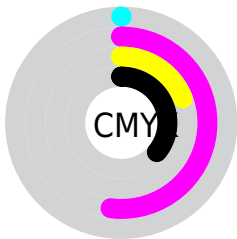
Distribution



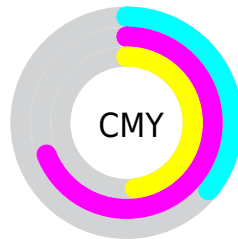
- Red (64%)
- Green (31%)
- Blue (52%)



- Red (64%)
- Yellow (31%)
- Blue (52%)



- Cyan (0%)
- Magenta (52%)
- Yellow (19%)
- Black (36%)





- Cyan (36%)
- Magenta (69%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2679, 15.0347, 23.9187 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 22.2679, 15.0347, 23.9187 by changing the saturation by 10% instead.


 22.2679, 15.0347,
23.9187


 22.2679, 15.0347,
23.9187


256.5483,
223.5762, 285.6825


 14.1716, 8.8437,
15.0617


 46.6639, 34.9140,
50.8397


 8.3226, 4.6394,
8.7156


 63.6944, 49.3712,
69.7407


 4.3556, 2.0373,
4.4619

 84.4336, 67.3526,
92.8268

 1.9052, 0.6290,
1.8820

 109.2469, 89.2425,
120.5165

 0.5799, 0.0000,
0.4812

 138.4996,
115.4255, 153.2284

 0.0000, 0.0000,
0.0000

172.5572,

146.2858, 191.3810

211.7850,
182.2079, 235.3929

■ 22.2679, 15.0347,
23.9187

■ 22.2679, 15.0347,
23.9187

■ 20.8477, 12.8296,
21.4866

■ 24.0026, 17.8316,
26.5694

■ 19.7182, 11.1698,
19.2628

■ 26.0704, 21.2577,
29.4462

■ 18.8544, 10.0057,
17.2373

■ 28.4903, 25.3500,
32.5575

■ 18.2258, 9.2772,
15.3979

■ 31.2792, 30.1418,
35.9104

■ 17.8537, 8.9101,
14.1116

■ 34.4531, 35.6644,
39.5121

■ 38.0267, 41.9469,
43.3691

■ 42.0143, 49.0172,
47.4878

■ 46.4291, 56.9014,
51.8742

■ 51.2840, 65.6246,
56.5341

Harmonies

Analogous

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



19.5993, 15.0347, 37.2990



22.2679, 15.0347, 23.9187



22.5920, 15.0347, 12.6434

Triad

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



22.2679, 15.0347, 23.9187



12.9214, 15.0347, 3.3217



9.5290, 15.0347, 34.1413

Complementary

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



22.2679, 15.0347, 23.9187



19.1784, 29.2753, 19.1091

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.



8.3209, 15.0347, 20.7657



22.2679, 15.0347, 23.9187



10.0382, 15.0347, 5.2416

Square

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



22.2679, 15.0347, 23.9187



16.7272, 15.0347, 3.5647



8.4894, 15.0347, 10.6048



12.1019, 15.0347, 44.7642

Rectangle

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



22.2679, 15.0347, 23.9187



21.3789, 15.0347, 7.8113



8.4894, 15.0347, 10.6048



8.9720, 15.0347, 29.6215

Sweetspot

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



22.2684, 15.0354, 23.9190



54.7391, 51.1967, 62.7782



15.6225, 11.3243, 36.4847



11.7524, 10.8237, 13.4667



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.2684, 15.0354, 23.9190



37.4464, 22.6918, 38.2689



19.9188, 14.0956, 11.5466



7.2554, 7.1586, 8.3315



13.7126, 6.8411, 10.9430



0.3095, 0.1523, 0.3425

Inverse Universe

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



22.2684, 15.0354, 23.9190



37.4464, 22.6918, 38.2689



22.0120, 30.4087, 34.0306



7.2554, 7.1586, 8.3315



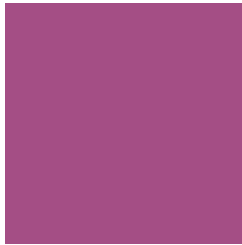
13.7126, 6.8411, 10.9430



0.3095, 0.1523, 0.3425

Previews

White Background



This preview shows how the XYZ color 22.2679, 15.0347, 23.9187 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 22.2679, 15.0347, 23.9187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

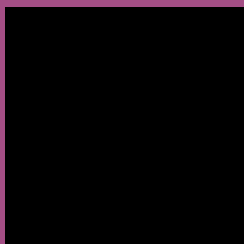
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2679, 15.0347, 23.9187

Background



This preview shows how black text looks on a background with the XYZ color 22.2679, 15.0347, 23.9187.



This preview shows how white text looks on a background with the XYZ color 22.2679, 15.0347,

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

22.2679, 15.0347, 23.9187

Protanopia

15.7065, 15.2282, 32.6834

Deuteranopia

15.4807, 15.1816, 22.5365



Tritanopia

19.8812, 15.0803, 12.2189

Trichromacy



Original Color

22.2679, 15.0347, 23.9187

Protanomaly

16.9789, 14.3630, 29.0716

Deuteranomaly

17.4181, 14.7233, 23.0429

Tritanomaly

20.5750, 15.0004, 15.9983

Monochromacy



Original Color

22.2679, 15.0347, 23.9187

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.8436, 14.7892, 19.1064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2679, 15.0347, 23.9187 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(164, 78, 133)` looks like.

```
.text, #text, p{  
    color:rgb(164, 78, 133)  
}
```

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(164, 78, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 78, 133) }
```

Border

The CSS property to change the border of an element to XYZ 22.2679, 15.0347, 23.9187 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(164, 78, 133) }
```


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

```
.border{ border-color:rgb(164, 78, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 78, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 78, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 78, 133);  
box-shadow:4px 4px 4px 4px rgb(164, 78,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2679, 15.0347, 23.9187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 78, 133) }
```

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

```
.background{ background-color: rgb(164, 78,  
133) }
```

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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