

Converting Colors

XYZ(14.0085, 6.8085, 19.3236)

Have a look what the booklet for
XYZ(14.0085, 6.8085, 19.3236)
contains.

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Color

**XYZ(14.0564, 6.8333,
19.3170)**

Conversions

Conversions Part 1

Format	Color
Hex	8A007B
RGB	138, 0, 123
RGB Percent	54%, 0%, 48%
CMY	0.4588, 1.0000, 0.5176
CMYK	0.00, 1.00, 0.11, 0.46
HSL	307°, 100%, 27%
HSV	307°, 100%, 54%
XYZ	14.0564, 6.8333, 19.3170
YIQ	55.2840, 42.7650, 67.5090

Conversions

Conversions Part 2

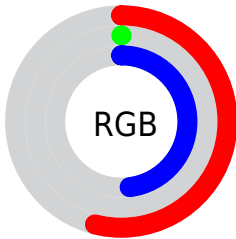
Format	Color
R_{YB}	138, 0, 123
Decimal	9044091
CIE _{Lab}	31.42, 60.00, -30.61
CIE _{LCh}	31, 67.356, 332.967
Yxy	6.8333, 0.3496, 0.1700
Android (android.graphics.Color)	4287234171 (0xFF8A007B)
YUV	55.2840, 33.3840, 72.5419
Hunter-Lab	26.1406, 50.2376, -25.5149

Details

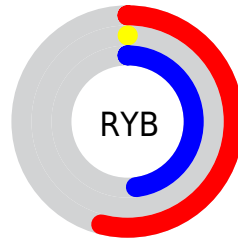
The XYZ color **14.0564, 6.8333, 19.3170** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **9.1750, 18.2118, 3.4840**, and the grayscale version is **3.6233, 3.8120, 4.1513**.

A 20% lighter version of the original color is **32.7909, 19.6343, 43.1358**, and **4.8033, 2.3334, 6.6758** is the 20% darker color. If you saturate the color by 10%, you get **14.0565, 6.8334, 19.3167**, and if you desaturate by 10%, it is **14.3057, 7.1803, 19.8671**.

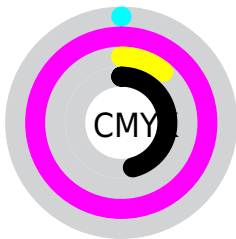
Distribution



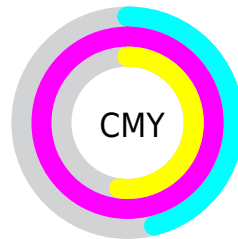
- Red (54%)
- Green (0%)
- Blue (48%)



- Red (54%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.0564, 6.8333, 19.3170 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 14.0564, 6.8333, 19.3170 by changing the saturation by 10% instead.


 14.0564, 6.8333,
19.3170


 14.0564, 6.8333,
19.3170


211.0850,
166.2713, 260.6740


 8.2419, 3.3581,
11.7204


 32.7745, 19.6371,
43.1129


 4.3032, 1.3214,
6.4334

 46.4088, 29.7344,
60.1493

 1.8751, 0.1577,
3.0373

 63.3803, 42.8079,
81.1694

 0.5623, 0.0000,
1.1137


 84.0546, 59.2419,
106.5917

 0.0000, 0.0000,
0.0000

 108.7968, 79.4208,
136.8348

 137.9724,


103.7291, 172.3171

 171.9466,
132.5511, 213.4574


 14.0564, 6.8333,
19.3170


 14.0564, 6.8333,
19.3170


 14.0565, 6.8334,
19.3167

 14.3057, 7.1803,
19.8671

 14.6534, 7.7219,
20.4570

 15.1521, 8.5632,
21.1045

 15.8201, 9.7408,
21.8156

 16.6732, 11.2861,
22.5955

■ 17.7251, 13.2269,
23.4491

■ 18.9886, 15.5884,
24.3804

■ 20.4751, 18.3934,
25.3934

■ 22.1952, 21.6635,
26.4916

Harmonies

Analogous

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



10.6523, 6.8333, 35.9851



14.0564, 6.8333, 19.3170



15.2478, 6.8333, 6.5287

Triad

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



14.0564, 6.8333, 19.3170



6.1682, 6.8333, 0.0000



2.4602, 6.8333, 22.6008

Complementary

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



14.0564, 6.8333, 19.3170



9.1750, 18.2118, 3.4840

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.



1.9616, 6.8333, 8.4331



14.0564, 6.8333, 19.3170



3.5902, 6.8333, 0.0000

Square

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



14.0564, 6.8333, 19.3170



9.8718, 6.8333, 0.0000



2.2903, 6.8333, 1.8216



3.9920, 6.8333, 38.7758

Rectangle

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



14.0564, 6.8333, 19.3170



14.3810, 6.8333, 2.3247



2.2903, 6.8333, 1.8216



2.1955, 6.8333, 17.1681

Sweetspot

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



14.0567, 6.8336, 19.3171



33.3141, 27.1835, 42.8635



4.7658, 1.9271, 24.1659



7.2829, 5.7423, 9.4774



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.0567, 6.8336, 19.3171



24.7414, 12.0308, 33.8626



11.1760, 5.6814, 4.1480



5.2108, 5.1198, 6.1987



12.8909, 6.2665, 17.7275



0.0887, 0.0429, 0.1341

Inverse Universe

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



14.0567, 6.8336, 19.3171



24.7414, 12.0308, 33.8626



10.6425, 18.7988, 11.2117



5.2108, 5.1198, 6.1987



12.8909, 6.2665, 17.7275



0.0887, 0.0429, 0.1341

Previews

White Background



This preview shows how the XYZ color 14.0564, 6.8333, 19.3170 looks on a white background.

Color Contrast Check

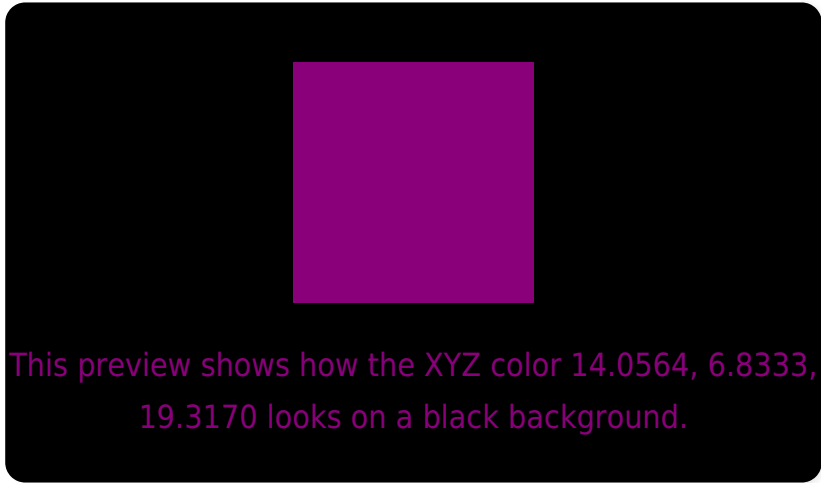
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

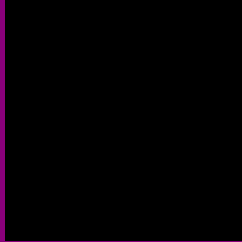
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0564, 6.8333, 19.3170

Background



This preview shows how black text looks on a background with the XYZ color 14.0564, 6.8333, 19.3170.



This preview shows how white text looks on a background with the XYZ color 14.0564, 6.8333, 19.3170.

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

14.0564, 6.8333, 19.3170

Protanopia

8.6203, 7.3662, 33.3152

Deuteranopia

7.6119, 7.5062, 17.2673



Tritanopia

11.0146, 7.1782, 3.9370

Trichromacy



Original Color

14.0564, 6.8333, 19.3170



Protanomaly

7.4427, 4.7555, 27.3137



Deuteranomaly

8.3928, 5.5793, 17.7741



Tritanomaly

11.6611, 6.5841, 7.6774

Monochromacy



Original Color

14.0564, 6.8333, 19.3170



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.7953, 3.7125, 8.0006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0564, 6.8333, 19.3170 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(138, 0, 123)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 123)  
}
```

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(138, 0, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 14.0564, 6.8333, 19.3170 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(138, 0, 123) }
```


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

```
.border{ border-color:rgb(138, 0, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 0, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(138, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0564, 6.8333, 19.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 123) }
```

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

```
.background{ background-color: rgb(138, 0,  
123) }
```

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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