

Converting Colors

XYZ(13.4671, 5.5398, 20.9125)

Have a look what the booklet for
XYZ(13.4671, 5.5398, 20.9125)
contains.

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Color

**XYZ(14.0496, 6.7928,
20.9927)**

Conversions

Conversions Part 1

Format	Color
Hex	880080
RGB	136, 0, 128
RGB Percent	53%, 0%, 50%
CMY	0.4667, 0.9999, 0.4980
CMYK	0.00, 1.00, 0.06, 0.47
HSL	304°, 100%, 27%
HSV	304°, 100%, 53%
XYZ	14.0496, 6.7928, 20.9927
YIQ	55.2560, 39.9680, 68.6400

Conversions

Conversions Part 2

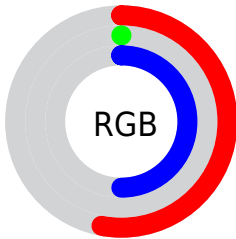
Format	Color
RYB	136, 0, 128
Decimal	8913024
CIELab	31.33, 60.36, -33.94
CIElCh	31, 69.245, 330.654
Yxy	6.7928, 0.3358, 0.1624
Android (android.graphics.Color)	4287103104 (0xFF880080)
YUV	55.2560, 35.8628, 70.8125
Hunter-Lab	26.0630, 50.6125, -29.5116

Details

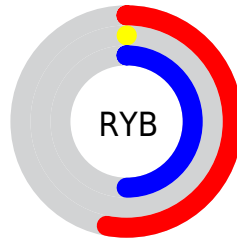
The XYZ color **14.0496, 6.7928, 20.9927** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **8.8483, 17.6261, 3.1660**, and the grayscale version is **3.6174, 3.8058, 4.1445**.

A 20% lighter version of the original color is **32.7816, 19.5712, 45.7659**, and **4.7685, 2.2994, 7.4002** is the 20% darker color. If you saturate the color by 10%, you get **14.0496, 6.7928, 20.9925**, and if you desaturate by 10%, it is **14.2545, 7.1178, 21.3219**.

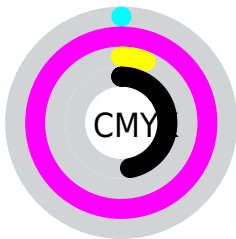
Distribution



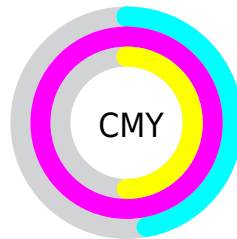
- Red (53%)
- Green (0%)
- Blue (50%)



- Red (53%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0496, 6.7928, 20.9927 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 14.0496, 6.7928, 20.9927 by changing the saturation by 10% instead.

■ 14.0496, 6.7928,
20.9927

■ 14.0496, 6.7928,
20.9927

211.0436,
165.9307, 270.0195

■ 8.2371, 3.3329,
12.9275

■ 32.7625, 19.5552,
45.9560

■ 4.3001, 1.3079,
7.2485

■ 46.3937, 29.6264,
63.6912

■ 1.8733, 0.1473,
3.5372

■ 63.3618, 42.6701,
85.4868

■ 0.5612, 0.0000,
1.3750

■ 84.0322, 59.0708,
111.7613


■ 0.0000, 0.0000,
0.1221

■ 108.7702, 79.2128,
142.9333

■ 0.0000, 0.0000,
0.0000

■ 137.9412,


103.4805, 179.4213

 171.9105,
132.2584, 221.6438


 14.0496, 6.7928,
20.9927

 14.0496, 6.7928,
20.9927


 14.0496, 6.7928,
20.9925

 14.2545, 7.1178,
21.3219

 14.5528, 7.6291,
21.6843

 14.9962, 8.4299,
22.0971

 15.6024, 9.5556,
22.5662

 16.3864, 11.0364,
23.0966

■ 17.3617, 12.8990,
23.6929

■ 18.5404, 15.1678,
24.3591

■ 19.9335, 17.8648,
25.0988

■ 21.5515, 21.0107,
25.9156

Harmonies

Analogous

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



10.4217, 6.7928, 38.2936



14.0496, 6.7928, 20.9927



15.5137, 6.7928, 7.1834

Triad

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



14.0496, 6.7928, 20.9927



6.3816, 6.7928, 0.0000



2.2914, 6.7928, 21.7477

Complementary

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



14.0496, 6.7928, 20.9927



8.8483, 17.6261, 3.1660

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.



1.8613, 6.7928, 7.6132



14.0496, 6.7928, 20.9927



3.6511, 6.7928, 0.0000

Square

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



14.0496, 6.7928, 20.9927



10.2439, 6.7928, 0.0000



2.2540, 6.7928, 1.4742



3.7407, 6.7928, 38.9403

Rectangle

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



14.0496, 6.7928, 20.9927



14.7687, 6.7928, 2.5445



2.2540, 6.7928, 1.4742



2.0516, 6.7928, 16.2233

Sweetspot

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



14.0499, 6.7931, 20.9928



32.5244, 26.4423, 42.8460



4.5294, 1.8219, 23.4056



7.3480, 5.7684, 9.8202



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.



14.0499, 6.7931, 20.9928



24.7393, 11.9627, 36.8888



11.0015, 5.5738, 4.9404



5.2214, 5.1240, 6.2541



13.2987, 6.4296, 19.8749



0.0901, 0.0434, 0.1415

Inverse Universe

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



14.0499, 6.7931, 20.9928



24.7393, 11.9627, 36.8888



10.0678, 18.1139, 9.5878



5.2214, 5.1240, 6.2541



13.2987, 6.4296, 19.8749



0.0901, 0.0434, 0.1415

Previews

White Background



This preview shows how the XYZ color 14.0496, 6.7928, 20.9927 looks on a white background.

Color Contrast Check

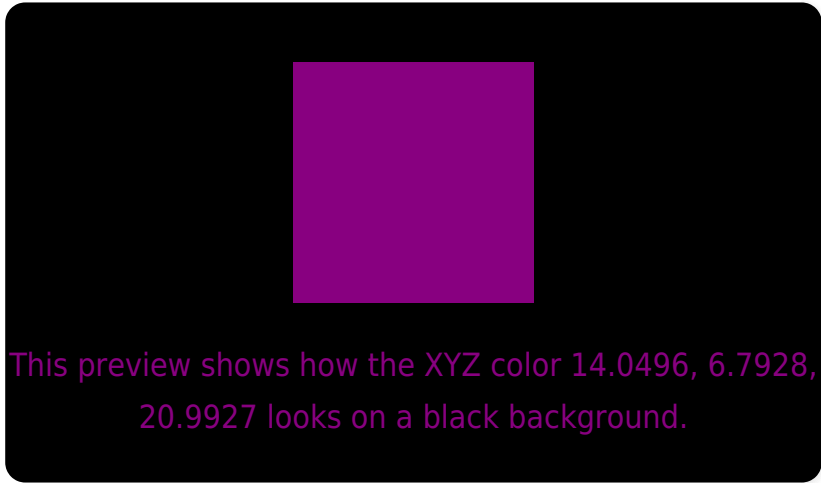
Large Text (above 18pt) WCAG AA ✓ Pass

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

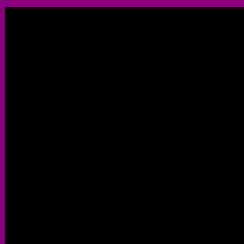
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0496, 6.7928, 20.9927

Background



This preview shows how black text looks on a background with the XYZ color 14.0496, 6.7928, 20.9927.



This preview shows how white text looks on a background with the XYZ color 14.0496, 6.7928,

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

14.0496, 6.7928, 20.9927

Protanopia

8.5346, 7.3319, 32.8637

Deuteranopia

7.5654, 7.4481, 18.8082



Tritanopia

10.8365, 7.2054, 4.1878

Trichromacy



Original Color

14.0496, 6.7928, 20.9927



Protanomaly

7.4714, 4.7613, 27.7194



Deuteranomaly

8.3296, 5.5115, 19.3637



Tritanomaly

11.4802, 6.5177, 8.2424

Monochromacy



Original Color

14.0496, 6.7928, 20.9927



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.7802, 3.6961, 8.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0496, 6.7928, 20.9927 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, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(136, 0, 128)  
}
```

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, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.0496, 6.7928, 20.9927 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, 0, 128) }
```


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

```
.border{ border-color:rgb(136, 0, 128) }
```

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

Here you see how a box with a 4 pixel rgb(136, 0, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(136, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0496, 6.7928, 20.9927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 128) }
```

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

```
.background{ background-color: rgb(136, 0,  
128) }
```

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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