

Converting Colors

XYZ(14.6036, 7.0010, 24.5127)

Have a look what the booklet for
XYZ(14.6036, 7.0010, 24.5127)
contains.

XYZ(14.5791, 6.9859, 24.6248)	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(14.5791, 6.9859,
24.6248)**

Conversions

Conversions Part 1

Format	Color
Hex	87008A
RGB	135, 0, 138
RGB Percent	53%, 0%, 54%
CMY	0.4706, 0.9999, 0.4588
CMYK	0.02, 1.00, 0.00, 0.46
HSL	299°, 100%, 27%
HSV	299°, 100%, 54%
XYZ	14.5791, 6.9859, 24.6248
YIQ	56.0970, 36.1620, 71.5380

Conversions

Conversions Part 2

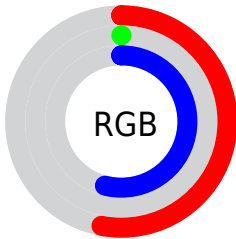
Format	Color
R_{YB}	135, 0, 138
Decimal	8847498
CIE _{Lab}	31.77, 61.72, -39.48
CIE _{LCh}	32, 73.272, 327.395
Yxy	6.9859, 0.3156, 0.1512
Android (android.graphics.Color)	4287037578 (0xFF87008A)
YUV	56.0970, 40.3782, 69.1979
Hunter-Lab	26.4309, 52.2055, -36.7370

Details

The XYZ color **14.5791, 6.9859, 24.6248** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.1263, 18.1965, 3.0316**, and the grayscale version is **3.7188, 3.9124, 4.2607**.

A 20% lighter version of the original color is **33.7014, 19.9098, 51.9359**, and **5.0286, 2.3936, 9.2138** is the 20% darker color. If you saturate the color by 10%, you get **14.5792, 6.9859, 24.6249**, and if you desaturate by 10%, it is **14.7821, 7.3199, 24.6787**.

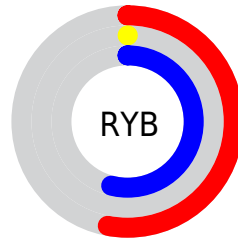
Distribution



Red (53%)

Green (0%)

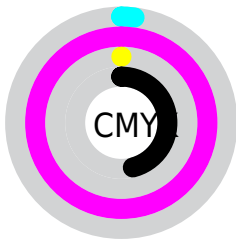
Blue (54%)



Red (53%)

Yellow (0%)

Blue (54%)

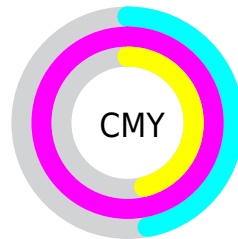


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (46%)



Cyan (47%)

Magenta (100%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5791, 6.9859, 24.6248 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 14.5791, 6.9859, 24.6248 by changing the saturation by 10% instead.

■ 14.5791, 6.9859,
24.6248

■ 14.5791, 6.9859,
24.6248

214.2436,
167.5465, 289.3519

■ 8.6089, 3.4533,
15.5813

■ 33.6908, 19.9448,
52.0044

■ 4.5420, 1.3727,
9.0772

■ 47.5631, 30.1400,
71.1776

■ 2.0131, 0.1965,
4.6941

■ 64.8001, 43.3247,
94.5644

■ 0.6413, 0.0000,
2.0133

■ 85.7672, 59.8834,
122.5834


■ 0.0000, 0.0000,
0.5635


■ 110.8297, 80.2006,
155.6531

■ 0.0000, 0.0000,
0.0000


■ 140.3531,


104.6606, 194.1920

 174.7026,
133.6477, 238.6188

 14.5791, 6.9859,
24.6248

 14.5791, 6.9859,
24.6248


 14.5792, 6.9859,
24.6249

 14.7821, 7.3199,
24.6787

 15.0822, 7.8481,
24.7648

 15.5320, 8.6755,
24.9008

 16.1498, 9.8387,
25.0928

 16.9512, 11.3691,
25.3459

■ 17.9503, 13.2945,
25.6649

■ 19.1595, 15.6399,
26.0539

■ 20.5904, 18.4285,
26.5167

■ 22.2536, 21.6816,
27.0570

Harmonies

Analogous

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



10.4642, 6.9859, 43.6097



14.5791, 6.9859, 24.6248



16.5352, 6.9859, 8.5669

Triad

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



14.5791, 6.9859, 24.6248



6.9673, 6.9859, 0.0000



2.1257, 6.9859, 21.2906

Complementary

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



14.5791, 6.9859, 24.6248



9.1263, 18.1965, 3.0316

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.



1.7780, 6.9859, 6.7206



14.5791, 6.9859, 24.6248



3.8835, 6.9859, 0.0000

Square

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



14.5791, 6.9859, 24.6248



11.2381, 6.9859, 0.0000



2.2800, 6.9859, 1.0737



3.5062, 6.9859, 40.7205

Rectangle

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



14.5791, 6.9859, 24.6248



15.9599, 6.9859, 3.0088



2.2800, 6.9859, 1.0737



1.9129, 6.9859, 15.4317

Sweetspot

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



14.5794, 6.9862, 24.6249



33.6216, 27.2757, 45.8759



4.6377, 1.9352, 24.1740



7.3597, 5.7653, 10.2313



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.



14.5794, 6.9862, 24.6249



25.6801, 12.3045, 43.4047



11.7042, 5.8927, 6.9297



5.2233, 5.1235, 6.3195



13.3687, 6.4059, 22.5775



0.0904, 0.0434, 0.1501

Inverse Universe

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



10.4979, 5.4102, 0.5775



18.4963, 9.5327, 0.9766



10.0257, 18.5520, 7.9639



5.0370, 5.0502, 5.2833



9.6256, 4.9604, 0.5329



0.0644, 0.0332, 0.0062

Previews

White Background



This preview shows how the XYZ color 14.5791, 6.9859, 24.6248 looks on a white background.

Color Contrast Check

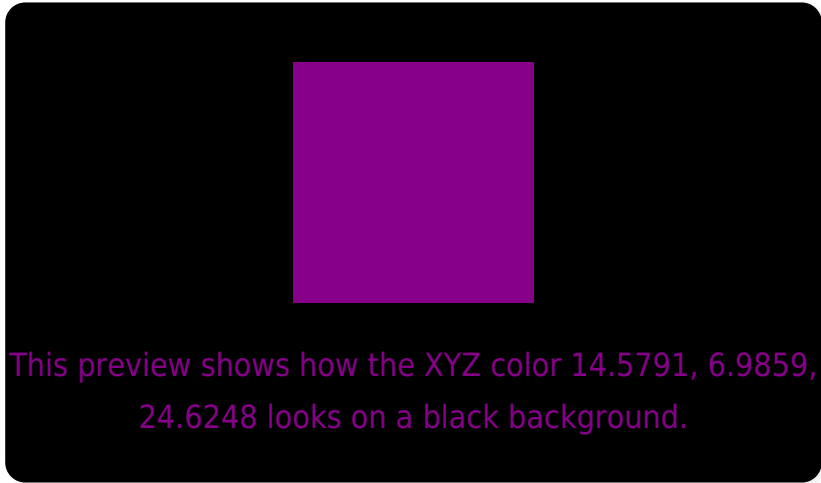
Large Text (above 18pt) WCAG AA ✓ Pass

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

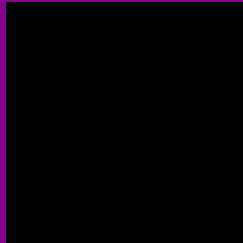
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5791, 6.9859, 24.6248

Background



This preview shows how black text looks on a background with the XYZ color 14.5791, 6.9859, 24.6248.



This preview shows how white text looks on a background with the XYZ color 14.5791, 6.9859,

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

14.5791, 6.9859, 24.6248

Protanopia

8.7741, 7.5354, 33.7929

Deuteranopia

7.7499, 7.5741, 22.1726



Tritanopia

10.6871, 7.3794, 4.8641

Trichromacy



Original Color

14.5791, 6.9859, 24.6248



Protanomaly

7.9095, 5.0012, 29.8266



Deuteranomaly

8.3547, 5.5112, 22.8137



Tritanomaly

11.3456, 6.4993, 9.6733

Monochromacy



Original Color

14.5791, 6.9859, 24.6248



Achromatopsia

3.7589, 3.9546, 4.3066



Achromatomaly

6.0569, 3.8649, 9.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5791, 6.9859, 24.6248 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(135, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 138)  
}
```

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(135, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 138) }
```

Border

The CSS property to change the border of an element to XYZ 14.5791, 6.9859, 24.6248 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(135, 0, 138) }
```


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

```
.border{ border-color:rgb(135, 0, 138) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5791, 6.9859, 24.6248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 138) }
```

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

```
.background{ background-color: rgb(135, 0,  
138) }
```

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