

Converting Colors

XYZ(17.0458, 13.7100, 24.6707)

Have a look what the booklet for
XYZ(17.0458, 13.7100, 24.6707)
contains.

XYZ(17.0826, 13.7287, 24.6712)	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(17.0826, 13.7287,
24.6712)**

Conversions

Conversions Part 1

Format	Color
Hex	815A87
RGB	129, 90, 135
RGB Percent	51%, 35%, 53%
CMY	0.4941, 0.6470, 0.4706
CMYK	0.04, 0.33, 0.00, 0.47
HSL	292°, 20%, 44%
HSV	292°, 33%, 53%
XYZ	17.0826, 13.7287, 24.6712
YIQ	106.7910, 8.7990, 22.2630

Conversions

Conversions Part 2

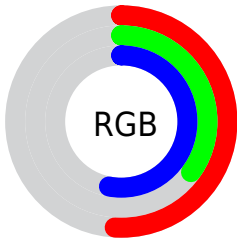
Format	Color
R_{YB}	129, 90, 135
Decimal	8477319
CIE _{Lab}	43.84, 24.23, -18.75
CIE _{LCh}	44, 30.641, 322.262
Yxy	13.7287, 0.3079, 0.2474
Android (android.graphics.Color)	4286667399 (0xFF815A87)
YUV	106.7910, 13.9070, 19.4773
Hunter-Lab	37.0523, 17.4543, -13.5416

Details

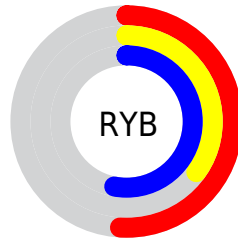
The XYZ color **17.0826, 13.7287, 24.6712** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.3337, 20.5532, 12.8325**, and the grayscale version is **13.8787, 14.6015, 15.9010**.

A 20% lighter version of the original color is **38.1304, 32.7479, 51.8882**, and **5.7280, 4.0459, 9.0734** is the 20% darker color. If you saturate the color by 10%, you get **15.7748, 11.5152, 24.3131**, and if you desaturate by 10%, it is **18.6029, 16.3595, 25.0991**.

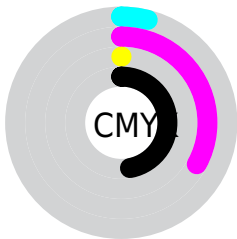
Distribution



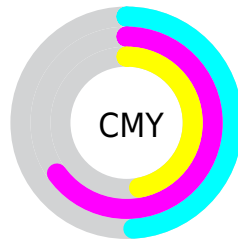
- Red (51%)
- Green (35%)
- Blue (53%)



- Red (51%)
- Yellow (35%)
- Blue (53%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (47%)



- Cyan (49%)
- Magenta (65%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0826, 13.7287, 24.6712 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 17.0826, 13.7287, 24.6712 by changing the saturation by 10% instead.

■ 17.0826, 13.7287,
24.6712

■ 17.0826, 13.7287,
24.6712

228.7949,
215.5365, 289.5916

■ 10.3891, 7.9322,
15.6155

■ 38.0102, 32.6069,
52.0808

■ 5.7219, 4.0516,
9.1011

■ 52.9750, 46.4573,
71.2717

■ 2.7158, 1.7025,
4.7094

■ 71.4276, 63.7613,
94.6782

■ 1.0053, 0.4253,
2.0221

■ 93.7333, 84.9030,
122.7186

■ 0.0000, 0.0000,
0.5688

■ 120.2576,
110.2670, 155.8117

■ 0.0000, 0.0000,
0.0000

151.3657,

140.2377, 194.3758

187.4230,
175.1994, 238.8296

■ 17.0826, 13.7287,
24.6712

■ 17.0826, 13.7287,
24.6712

■ 15.7748, 11.5152,
24.3131

■ 18.6029, 16.3595,
25.0991

■ 14.6670, 9.6948,
24.0201

■ 20.3448, 19.4266,
25.5993

■ 13.7474, 8.2436,
23.7885

■ 22.3184, 22.9500,
26.1753

■ 13.0021, 7.1343,
23.6136

■ 24.5329, 26.9478,
26.8303

■ 12.4158, 6.3357,
23.4904

■ 26.9968, 31.4371,
27.5669

■ 11.9696, 5.8104,
23.4125

■ 29.7183, 36.4344,
28.3881

■ 11.7095, 5.5313,
23.3723

■ 32.7053, 41.9552,
29.2963

■ 35.9651, 48.0143,
30.2940

■ 39.5050, 54.6262,
31.3836

Harmonies

Analogous

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



14.8909, 13.7287, 30.9718



17.0826, 13.7287, 24.6712



18.2204, 13.7287, 16.8141

Triad

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



17.0826, 13.7287, 24.6712



13.6849, 13.7287, 5.2539



9.2008, 13.7287, 20.5827

Complementary

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



17.0826, 13.7287, 24.6712



15.3337, 20.5532, 12.8325

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.



8.9618, 13.7287, 13.2257



17.0826, 13.7287, 24.6712



11.3651, 13.7287, 5.7000

Square

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



17.0826, 13.7287, 24.6712



16.1069, 13.7287, 6.6959



9.7058, 13.7287, 8.1887



10.4044, 13.7287, 28.1478

Rectangle

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



17.0826, 13.7287, 24.6712



18.1409, 13.7287, 12.2943



9.7058, 13.7287, 8.1887



9.0116, 13.7287, 17.9589

Sweetspot

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



17.0830, 13.7293, 24.6715



37.4865, 36.6609, 46.1489



12.7730, 12.2893, 24.6207



8.5843, 8.3173, 10.6593



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.



17.0830, 13.7293, 24.6715



28.7863, 21.5206, 43.6851



16.9480, 13.7837, 19.0634



4.7985, 4.7322, 5.8613



10.8056, 5.1046, 21.5525



0.0416, 0.0198, 0.0749

Inverse Universe

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



15.7596, 13.3083, 12.8050



26.0949, 20.6807, 18.8220



15.5085, 20.5530, 16.9227



4.6960, 4.6981, 5.0115



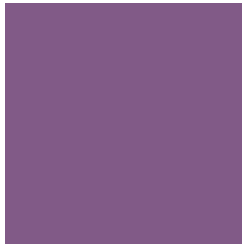
9.3174, 4.7913, 0.9781



0.0338, 0.0172, 0.0113

Previews

White Background



This preview shows how the XYZ color 17.0826, 13.7287, 24.6712 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 17.0826, 13.7287, 24.6712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

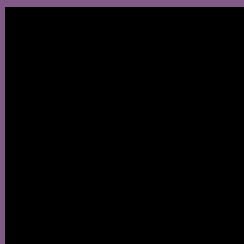
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0826, 13.7287, 24.6712

Background



This preview shows how black text looks on a background with the XYZ color 17.0826, 13.7287, 24.6712.



This preview shows how white text looks on a background with the XYZ color 17.0826, 13.7287,

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

17.0826, 13.7287, 24.6712

Protanopia

14.0998, 13.7405, 28.2946

Deuteranopia

14.1306, 13.8488, 24.1186



Tritanopia

15.1390, 13.7252, 14.9480

Trichromacy



Original Color

17.0826, 13.7287, 24.6712

Protanomaly

15.0011, 13.6617, 27.0456

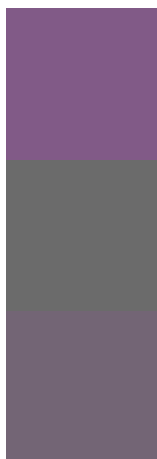
Deuteranomaly

15.1012, 13.7716, 24.4165

Tritanomaly

15.7014, 13.6788, 18.0324

Monochromacy



Original Color

17.0826, 13.7287, 24.6712

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.9348, 14.2366, 18.7904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0826, 13.7287, 24.6712 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(129, 90, 135)` looks like.

```
.text, #text, p{  
    color:rgb(129, 90, 135)  
}
```

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(129, 90, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 90, 135) }
```

Border

The CSS property to change the border of an element to XYZ 17.0826, 13.7287, 24.6712 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(129, 90, 135) }
```


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

```
.border{ border-color:rgb(129, 90, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 90, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 90, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 90, 135);  
box-shadow:4px 4px 4px 4px rgb(129, 90,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0826, 13.7287, 24.6712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 90, 135) }
```

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

```
.background{ background-color: rgb(129, 90,  
135) }
```

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