

Converting Colors

XYZ(17.5077, 12.9081, 24.6133)

Have a look what the booklet for
XYZ(17.5077, 12.9081, 24.6133)
contains.

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Color

**XYZ(17.4689, 12.8684,
24.4848)**

Conversions

Conversions Part 1

Format	Color
Hex	885187
RGB	136, 81, 135
RGB Percent	53%, 32%, 53%
CMY	0.4667, 0.6823, 0.4706
CMYK	0.00, 0.40, 0.01, 0.47
HSL	301°, 25%, 43%
HSV	301°, 40%, 53%
XYZ	17.4689, 12.8684, 24.4848
YIQ	103.6010, 15.4460, 28.4540

Conversions

Conversions Part 2

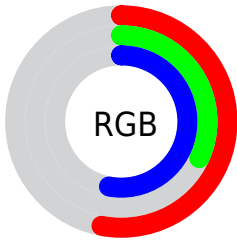
Format	Color
RYB	136, 81, 135
Decimal	8933767
CIELab	42.56, 31.85, -20.65
CIELCh	43, 37.955, 327.043
Yxy	12.8684, 0.3186, 0.2347
Android (android.graphics.Color)	4287123847 (0xFF885187)
YUV	103.6010, 15.4797, 28.4139
Hunter-Lab	35.8726, 24.1474, -15.3576

Details

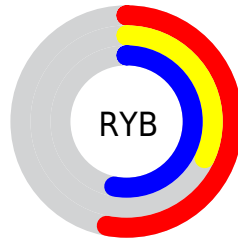
The XYZ color **17.4689, 12.8684, 24.4848** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.7210, 19.9672, 11.1143**, and the grayscale version is **13.0092, 13.6867, 14.9048**.

A 20% lighter version of the original color is **38.5636, 31.0805, 51.5436**, and **5.9299, 3.6749, 8.9911** is the 20% darker color. If you saturate the color by 10%, you get **16.5405, 11.0391, 24.0896**, and if you desaturate by 10%, it is **18.6007, 15.1037, 24.9482**.

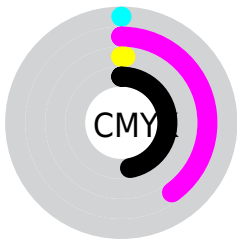
Distribution



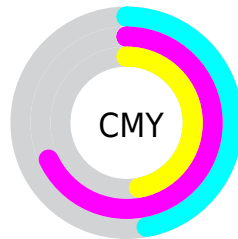
- Red (53%)
- Green (32%)
- Blue (53%)



- Red (53%)
- Yellow (32%)
- Blue (53%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (47%)



- Cyan (47%)
- Magenta (68%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4689, 12.8684, 24.4848 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 17.4689, 12.8684, 24.4848 by changing the saturation by 10% instead.

■ 17.4689, 12.8684,
24.4848

■ 17.4689, 12.8684,
24.4848

230.9641,
210.0725, 288.6275

■ 10.6667, 7.3380,
15.4781

■ 38.6675, 31.0672,
51.7739

■ 5.9088, 3.6744,
9.0053

■ 53.7946, 44.5043,
70.8934

■ 2.8299, 1.4931,
4.6478

■ 72.4274, 61.3458,
94.2209

■ 1.0644, 0.2839,
1.9870

■ 94.9312, 81.9760,
122.1749

■ 0.0000, 0.0000,
0.5473

■ 121.6714,
106.7795, 155.1741

■ 0.0000, 0.0000,
0.0000

153.0134,

136.1404, 193.6368

189.3226,
170.4433, 237.9818

■ 17.4689, 12.8684,
24.4848

■ 17.4689, 12.8684,
24.4848

■ 16.5405, 11.0391,
24.0896

■ 18.6007, 15.1037,
24.9482

■ 15.8019, 9.5898,
23.7579

■ 19.9456, 17.7657,
25.4827

■ 15.2402, 8.4941,
23.4852

■ 21.5145, 20.8755,
26.0921

■ 14.8402, 7.7216,
23.2667

■ 23.3170, 24.4524,
26.7795

■ 14.5840, 7.2369,
23.0963

■ 25.3623, 28.5147,
27.5481

■ 14.4236, 6.9424,
22.9617

■ 27.6588, 33.0796,
28.4006

■ 30.2149, 38.1635,
29.3398

■ 33.0383, 43.7819,
30.3683

■ 36.1365, 49.9499,
31.4887

Harmonies

Analogous

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



14.9148, 12.8684, 33.3220



17.4689, 12.8684, 24.4848



18.6095, 12.8684, 14.8426

Triad

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



17.4689, 12.8684, 24.4848



12.5179, 12.8684, 3.4143



7.9458, 12.8684, 22.4930

Complementary

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



17.4689, 12.8684, 24.4848



13.7210, 19.9672, 11.1143

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.



7.5072, 12.8684, 13.2120



17.4689, 12.8684, 24.4848



9.8902, 12.8684, 4.1243

Square

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



17.4689, 12.8684, 24.4848



15.4846, 12.8684, 4.4956



8.1612, 12.8684, 7.0537



9.4685, 12.8684, 31.8906

Rectangle

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



17.4689, 12.8684, 24.4848



18.3005, 12.8684, 9.8720



8.1612, 12.8684, 7.0537



7.6781, 12.8684, 19.1713

Sweetspot

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



17.4693, 12.8690, 24.4851



37.3809, 35.7299, 45.7759



10.8594, 9.4533, 24.5450



8.5848, 8.1314, 10.5733



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.



17.4693, 12.8690, 24.4851



29.2043, 19.5628, 42.4769



15.7809, 12.1936, 15.5938



5.2300, 5.1274, 6.2996



13.6518, 6.5708, 21.7345



0.0913, 0.0439, 0.1474

Inverse Universe

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



17.4693, 12.8690, 24.4851



29.2043, 19.5628, 42.4769



14.9808, 20.4711, 17.7482



5.2300, 5.1274, 6.2996



13.6518, 6.5708, 21.7345



0.0913, 0.0439, 0.1474

Previews

White Background



This preview shows how the XYZ color 17.4689, 12.8684, 24.4848 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 17.4689, 12.8684, 24.4848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

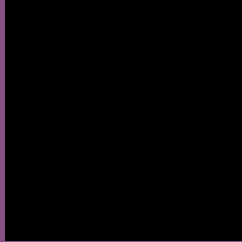
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4689, 12.8684, 24.4848

Background



This preview shows how black text looks on a background with the XYZ color 17.4689, 12.8684, 24.4848.



This preview shows how white text looks on a background with the XYZ color 17.4689, 12.8684,

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

17.4689, 12.8684, 24.4848

Protanopia

13.5428, 12.9784, 30.2251

Deuteranopia

13.2428, 12.9693, 23.6352



Tritanopia

15.0438, 12.8146, 12.7469

Trichromacy



Original Color

17.4689, 12.8684, 24.4848

Protanomaly

14.4547, 12.5515, 28.0464

Deuteranomaly

14.3675, 12.5990, 23.8649

Tritanomaly

15.8151, 12.7679, 16.3828

Monochromacy



Original Color

17.4689, 12.8684, 24.4848

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.4798, 13.3166, 18.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4689, 12.8684, 24.4848 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, 81, 135)` looks like.

```
.text, #text, p{  
    color:rgb(136, 81, 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(136, 81, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 81, 135) }
```

Border

The CSS property to change the border of an element to XYZ 17.4689, 12.8684, 24.4848 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, 81, 135) }
```


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

```
.border{ border-color:rgb(136, 81, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 81, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 81, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 81, 135); box-shadow:4px 4px 4px 4px rgb(136, 81, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4689, 12.8684, 24.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 81, 135) }
```

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

```
.background{ background-color: rgb(136, 81,  
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](#).

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