

Converting Colors

XYZ(24.1701, 28.9755, 17.8035)

Have a look what the booklet for
XYZ(24.1701, 28.9755, 17.8035)
contains.

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Color

**XYZ(24.2576, 29.1208,
17.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	899969
RGB	137, 153, 105
RGB Percent	54%, 60%, 41%
CMY	0.4627, 0.4000, 0.5882
CMYK	0.10, 0.00, 0.31, 0.40
HSL	80°, 19%, 51%
HSV	80°, 31%, 60%
XYZ	24.2576, 29.1208, 17.7070
YIQ	142.7440, 5.8720, -18.3200

Conversions

Conversions Part 2

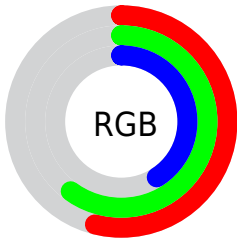
Format	Color
RYB	105, 153, 121
Decimal	9017705
CIELab	60.89, -14.26, 23.40
CIElCh	61, 27.400, 121.356
Yxy	29.1208, 0.3412, 0.4097
Android (android.graphics.Color)	4287207785 (0xFF899969)
YUV	142.7440, -18.6078, -5.0375
Hunter-Lab	53.9637, -14.1977, 18.3199

Details

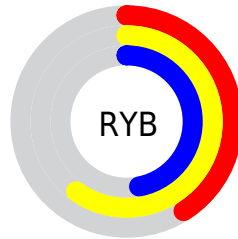
The XYZ color **24.2576, 29.1208, 17.7070** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.6877, 16.4688, 32.3325**, and the grayscale version is **26.0772, 27.4352, 29.8770**.

A 20% lighter version of the original color is **49.8845, 58.1363, 40.4905**, and **9.3276, 11.7766, 5.6524** is the 20% darker color. If you saturate the color by 10%, you get **22.7246, 28.4143, 13.8931**, and if you desaturate by 10%, it is **25.9731, 29.9069, 22.2692**.

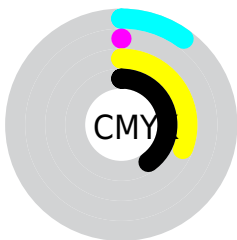
Distribution



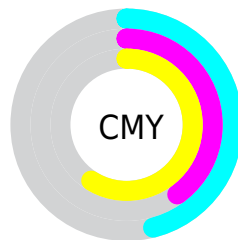
- Red (54%)
- Green (60%)
- Blue (41%)



- Red (41%)
- Yellow (60%)
- Blue (47%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2576, 29.1208, 17.7070 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 24.2576, 29.1208, 17.7070 by changing the saturation by 10% instead.

■ 24.2576, 29.1208,
17.7070

■ 24.2576, 29.1208,
17.7070

266.5366,
297.7845, 251.3947

■ 15.6506, 19.1722,
10.5726

■ 49.9019, 58.2690,
40.3446

■ 9.3665, 11.7948,
5.6697

■ 67.6698, 78.2373,
56.6848

■ 5.0400, 6.6041,
2.5798

■ 89.2221, 102.3144,
76.9308

■ 2.3058, 3.2158,
0.8820

■ 114.9242,
130.8846, 101.5010

■ 0.7976, 1.2454,
0.0000

145.1413,
164.3323, 130.8139

■ 0.0000, 0.0983,
0.0000

180.2388,

■ 0.0000, 0.0000,

203.0420, 165.2881

0.0000

220.5822,
247.3979, 205.3422

■ 24.2576, 29.1208,
17.7070

■ 24.2576, 29.1208,
17.7070

■ 22.7246, 28.4143,
13.8931

■ 25.9731, 29.9069,
22.2692

■ 21.3638, 27.7801,
10.7857

■ 27.8765, 30.7718,
27.6150

■ 20.1671, 27.2161,
8.3417

■ 29.9756, 31.7197,
33.7794

■ 19.1247, 26.7181,
6.5123

■ 32.2771, 32.7532,
40.7950

■ 18.2255, 26.2817,
5.2425

■ 34.7873, 33.8751,
48.6925

■ 17.4566, 25.9017,
4.4670

■ 37.5122, 35.0877,
57.5011

■ 16.8706, 25.6081,
4.0537

■ 40.4577, 36.3934,
67.2487

■ 43.6291, 37.7945,
77.9619

■ 47.0319, 39.2932,
89.6662

Harmonies

Analogous

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



27.5163, 29.1208, 15.8337



24.2576, 29.1208, 17.7070



22.0801, 29.1208, 23.1857

Triad

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



24.2576, 29.1208, 17.7070



24.5163, 29.1208, 52.2820



35.1246, 29.1208, 31.2445

Complementary

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



24.2576, 29.1208, 17.7070



18.6877, 16.4688, 32.3325

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.



34.1512, 29.1208, 42.0972



24.2576, 29.1208, 17.7070



27.8413, 29.1208, 55.7047

Square

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



24.2576, 29.1208, 17.7070



22.2201, 29.1208, 43.0783



31.4067, 29.1208, 51.6352



33.9646, 29.1208, 22.5376

Rectangle

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



24.2576, 29.1208, 17.7070



21.4309, 29.1208, 28.8435



31.4067, 29.1208, 51.6352



35.0355, 29.1208, 34.7553

Sweetspot

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



24.2583, 29.1221, 17.7076



50.7158, 55.4655, 51.7484



22.5252, 21.4680, 16.3216



11.0904, 12.1984, 11.1138



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.2583, 29.1221, 17.7076



41.3847, 51.2033, 26.5455



20.7521, 27.3145, 17.5435



6.5087, 7.1197, 6.6370



13.9788, 21.1822, 3.3518



0.2471, 0.3363, 0.0519

Inverse Universe

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



18.6877, 16.4688, 32.3325



29.7260, 24.7080, 57.1744



22.4795, 18.4236, 32.5100



6.0689, 6.1214, 7.7907



5.9133, 2.4994, 25.0785



0.1243, 0.0558, 0.3766

Previews

White Background



This preview shows how the XYZ color 24.2576, 29.1208, 17.7070 looks on a white background.

Color Contrast Check

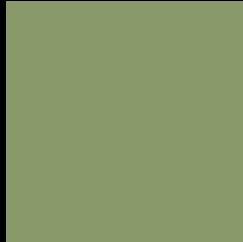
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2576, 29.1208, 17.7070 looks on a black 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

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

XYZ 24.2576, 29.1208, 17.7070

Background



This preview shows how black text looks on a background with the XYZ color 24.2576, 29.1208, 17.7070.



This preview shows how white text looks on a background with the XYZ color 24.2576, 29.1208,

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

24.2576, 29.1208, 17.7070

Protanopia

26.9325, 29.0958, 16.7669

Deuteranopia

29.4652, 29.0167, 18.2352



Tritanopia

27.9520, 28.9557, 36.4635

Trichromacy



Original Color

24.2576, 29.1208, 17.7070

Protanomaly

25.7733, 28.9582, 17.0631

Deuteranomaly

27.2764, 28.7859, 18.0285

Tritanomaly

26.3922, 29.0217, 28.6368

Monochromacy



Original Color

24.2576, 29.1208, 17.7070

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.3807, 28.1151, 24.8579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2576, 29.1208, 17.7070 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(137, 153, 105)` looks like.

```
.text, #text, p{  
    color:rgb(137, 153, 105)  
}
```

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(137, 153, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 153, 105) }
```

Border

The CSS property to change the border of an element to XYZ 24.2576, 29.1208, 17.7070 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(137, 153, 105) }
```


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

```
.border{ border-color:rgb(137, 153, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 153, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 153, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 153, 105);  
box-shadow:4px 4px 4px 4px rgb(137, 153,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2576, 29.1208, 17.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 153, 105) }
```

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

```
.background{ background-color: rgb(137,  
153, 105) }
```

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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