

# Converting Colors

XYZ(24.0191, 17.7501, 26.0468)

Have a look what the booklet for  
XYZ(24.0191, 17.7501, 26.0468)  
contains.

<b>XYZ(24.1072, 17.8397, 26.2176)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.1072, 17.8397,  
26.2176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A55E8A
RGB	165, 94, 138
RGB Percent	65%, 37%, 54%
CMY	0.3529, 0.6314, 0.4588
CMYK	0.00, 0.43, 0.16, 0.35
HSL	323°, 28%, 51%
HSV	323°, 43%, 65%
XYZ	24.1072, 17.8397, 26.2176
YIQ	120.2450, 28.1920, 28.7360

# Conversions

## Conversions Part 2

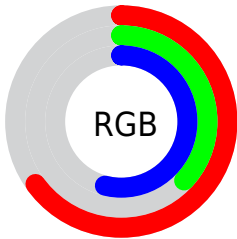
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 94, 138
Decimal	10837642
CIE <sub>Lab</sub>	49.30, 35.03, -11.84
CIE <sub>LCh</sub>	49, 36.975, 341.329
Yxy	17.8397, 0.3537, 0.2617
Android (android.graphics.Color)	4289027722 (0xFFA55E8A)
YUV	120.2450, 8.7532, 39.2501
Hunter-Lab	42.2371, 27.9657, -7.2368

# Details

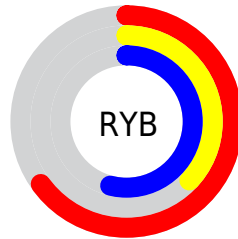
The XYZ color **24.1072, 17.8397, 26.2176** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.5232, 30.6710, 22.8762**, and the grayscale version is **17.8980, 18.8301, 20.5060**.

A 20% lighter version of the original color is **49.5016, 39.6915, 54.3424**, and **9.2554, 5.9609, 9.8953** is the 20% darker color. If you saturate the color by 10%, you get **22.3526, 15.0364, 23.4557**, and if you desaturate by 10%, it is **26.2028, 21.2824, 29.2230**.

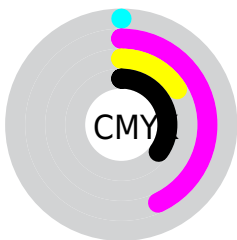
# Distribution



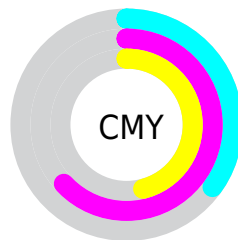
- Red (65%)
- Green (37%)
- Blue (54%)



- Red (65%)
- Yellow (37%)
- Blue (54%)



- Cyan (0%)
- Magenta (43%)
- Yellow (16%)
- Black (35%)




- Cyan (35%)
- Magenta (63%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1072, 17.8397, 26.2176 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 24.1072, 17.8397, 26.2176 by changing the saturation by 10% instead.





 24.1072, 17.8397,  
26.2176


 24.1072, 17.8397,  
26.2176

265.7924,  
239.9660, 297.4880


 15.5383, 10.8350,  
16.7593


 49.6585, 39.7640,  
54.6142


 9.2868, 5.9560,  
9.9029

 67.3716, 55.4523,  
74.3895

 4.9873, 2.8183,  
5.2298

 88.8635, 74.8040,  
98.4409

 2.2745, 1.0376,  
2.3217

 114.4996, 98.2034,  
127.1869

 0.7816, 0.0000,  
0.7433

144.6451,  
126.0349, 161.0461

 0.0000, 0.0000,  
0.0000

179.6656,

158.6829, 200.4370

219.9262,  
196.5318, 245.7781

■ 24.1072, 17.8397,  
26.2176

■ 24.1072, 17.8397,  
26.2176

■ 22.3526, 15.0364,  
23.4557

■ 26.2028, 21.2824,  
29.2230

■ 20.9167, 12.8295,  
20.9273

■ 28.6566, 25.3990,  
32.4793

■ 19.7771, 11.1747,  
18.6227

■ 31.4864, 30.2245,  
35.9947

■ 18.9076, 10.0201,  
16.5311

■ 34.7086, 35.7905,  
39.7765

■ 18.2769, 9.3041,  
14.6395

■ 38.3383, 42.1270,  
43.8319

■ 17.9279, 8.9637,  
13.4210

■ 42.3901, 49.2621,  
48.1675

■ 46.8774, 57.2226,  
52.7899

■ 51.8135, 66.0341,  
57.7053

■ 57.2108, 75.7209,  
62.9196

# Harmonies

## Analogous

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



21.7628, 17.8397, 37.6306



24.1072, 17.8397, 26.2176



24.3883, 17.8397, 15.9023

# Triad

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



24.1072, 17.8397, 26.2176



15.6770, 17.8397, 6.0537



12.4169, 17.8397, 35.0015

# Complementary

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



24.1072, 17.8397, 26.2176



21.5232, 30.6710, 22.8762

# 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.



11.2118, 17.8397, 23.4316



24.1072, 17.8397, 26.2176



12.9150, 17.8397, 8.3062

# Square

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



24.1072, 17.8397, 26.2176



19.1865, 17.8397, 6.3499



11.3807, 17.8397, 13.9194



14.9056, 17.8397, 43.7805



# Rectangle

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



24.1072, 17.8397, 26.2176



23.3285, 17.8397, 11.0763



11.3807, 17.8397, 13.9194



11.8647, 17.8397, 31.1708

# Sweetspot

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



24.1077, 17.8405, 26.2180



56.2759, 53.9344, 64.3262



18.5454, 14.7184, 37.4611



12.0572, 11.3697, 13.7642



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



24.1077, 17.8405, 26.2180



40.0530, 26.9626, 42.0428



21.9921, 16.9943, 15.0772



7.2496, 7.1563, 8.3007



13.5874, 6.7910, 10.2839



0.3074, 0.1515, 0.3315



# Inverse Universe

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



24.1077, 17.8405, 26.2180



40.0530, 26.9626, 42.0428



24.0331, 31.6749, 36.0934



7.2496, 7.1563, 8.3007



13.5874, 6.7910, 10.2839

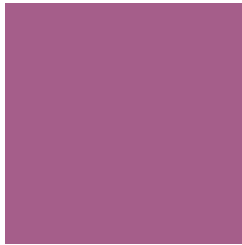


0.3074, 0.1515, 0.3315



# Previews

## White Background



This preview shows how the XYZ color 24.1072, 17.8397, 26.2176 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 24.1072, 17.8397, 26.2176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

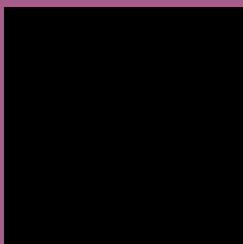
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.1072, 17.8397, 26.2176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.1072, 17.8397, 26.2176.



This preview shows how white text looks on a background with the XYZ color 24.1072, 17.8397,



# 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

24.1072, 17.8397, 26.2176

### Protanopia

18.1795, 17.9788, 32.6491

### Deuteranopia

18.3190, 18.0476, 25.0723



## Tritanopia

22.1642, 17.8784, 16.4701

# Trichromacy



## Original Color

24.1072, 17.8397, 26.2176

## Protanomaly

19.7611, 17.5304, 30.3591

## Deuteranomaly

19.9474, 17.5830, 25.2642

## Tritanomaly

22.8017, 17.8538, 19.6971

# Monochromacy



## Original Color

24.1072, 17.8397, 26.2176

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

19.6685, 18.1354, 22.5425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.1072, 17.8397, 26.2176 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(165, 94, 138)` looks like.

```
.text, #text, p{  
    color:rgb(165, 94, 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(165, 94, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 94, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 24.1072, 17.8397, 26.2176 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(165, 94, 138) }
```



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

```
.border{ border-color:rgb(165, 94, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 94, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 94, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 94, 138);  
box-shadow:4px 4px 4px 4px rgb(165, 94,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.1072, 17.8397, 26.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 94, 138) }
```

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

```
.background{ background-color: rgb(165, 94,  
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](#).

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