

Converting Colors

XYZ(24.2030, 17.7611, 35.5955)

Have a look what the booklet for
XYZ(24.2030, 17.7611, 35.5955)
contains.

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Color

**XYZ(24.1477, 17.7904,
35.4189)**

Conversions

Conversions Part 1

Format	Color
Hex	9C5FA0
RGB	156, 95, 160
RGB Percent	61%, 37%, 63%
CMY	0.3882, 0.6274, 0.3725
CMYK	0.02, 0.41, 0.00, 0.37
HSL	296°, 25%, 50%
HSV	296°, 41%, 63%
XYZ	24.1477, 17.7904, 35.4189
YIQ	120.6490, 15.4910, 33.1470

Conversions

Conversions Part 2

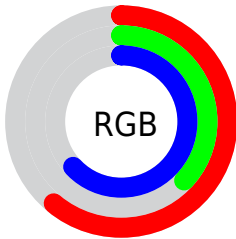
Format	Color
R _Y B	156, 95, 160
Decimal	10248096
CIE Lab	49.24, 35.47, -25.06
CIE LCh	49, 43.428, 324.751
Yxy	17.7904, 0.3122, 0.2300
Android (android.graphics.Color)	4288438176 (0xFF9C5FA0)
YUV	120.6490, 19.4000, 31.0028
Hunter-Lab	42.1787, 28.3803, -20.2628

Details

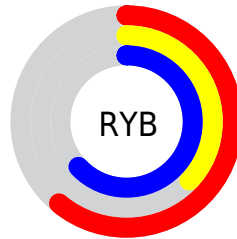
The XYZ color **24.1477, 17.7904, 35.4189** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.7825, 28.6209, 15.3090**, and the grayscale version is **17.9974, 18.9346, 20.6198**.

A 20% lighter version of the original color is **49.8508, 39.7708, 69.3391**, and **9.2773, 5.9203, 14.8411** is the 20% darker color. If you saturate the color by 10%, you get **22.6622, 15.1008, 34.9783**, and if you desaturate by 10%, it is **25.9319, 21.0744, 35.9590**.

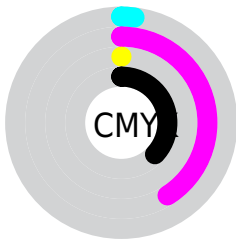
Distribution



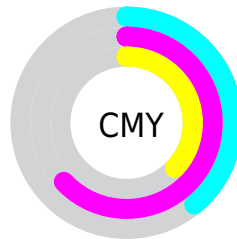
- Red (61%)
- Green (37%)
- Blue (63%)



- Red (61%)
- Yellow (37%)
- Blue (63%)



- Cyan (2%)
- Magenta (41%)
- Yellow (0%)
- Black (37%)



- Cyan (39%)
- Magenta (63%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1477, 17.7904, 35.4189 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 24.1477, 17.7904, 35.4189 by changing the saturation by 10% instead.

■ 24.1477, 17.7904,
35.4189

■ 24.1477, 17.7904,
35.4189

265.9930,
239.6870, 341.3738

■ 15.5686, 10.7996,
23.6996

■ 49.7240, 39.6798,
69.2931

■ 9.3083, 5.9323,
14.9008

■ 67.4519, 55.3473,
92.2851

■ 5.0015, 2.8039,
8.6039

■ 88.9601, 74.6758,
119.8718

■ 2.2829, 1.0302,
4.3905

■ 114.6140, 98.0496,
152.4716

■ 0.7859, 0.0000,
1.8419

144.7788,
125.8533, 190.5032

■ 0.0000, 0.0000,
0.4554

179.8201,

■ 0.0000, 0.0000,

158.4711, 234.3851

0.0000

220.1030,
196.2876, 284.5357

■ 24.1477, 17.7904,
35.4189

■ 24.1477, 17.7904,
35.4189

■ 22.6622, 15.1008,
34.9783

■ 25.9319, 21.0744,
35.9590

■ 21.4555, 12.9667,
34.6300

■ 28.0298, 24.9838,
36.6030

■ 20.5078, 11.3483,
34.3676


■ 30.4573, 29.5504,
37.3565


■ 19.7960, 10.1997,
34.1834


■ 33.2291, 34.8030,
38.2243


■ 19.2932, 9.4667,
34.0684

■ 36.3585, 40.7687,
39.2108

 18.9516, 9.0369,
34.0034

 39.8585, 47.4731,
40.3205

 43.7413, 54.9408,
41.5572

 48.0185, 63.1950,
42.9250

 52.7012, 72.2580,
44.4275

Harmonies

Analogous

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



20.4058, 17.7904, 47.7246



24.1477, 17.7904, 35.4189



25.9717, 17.7904, 21.4967

Triad

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



24.1477, 17.7904, 35.4189



17.6361, 17.7904, 4.5176



10.7460, 17.7904, 30.3643

Complementary

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



24.1477, 17.7904, 35.4189



19.7825, 28.6209, 15.3090

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.



10.2463, 17.7904, 17.3897



24.1477, 17.7904, 35.4189



13.8368, 17.7904, 5.3046

Square

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



24.1477, 17.7904, 35.4189



21.8455, 17.7904, 6.2181



11.2845, 17.7904, 9.0930



12.7790, 17.7904, 44.0773

Rectangle

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



24.1477, 17.7904, 35.4189



25.6728, 17.7904, 14.2013



11.2845, 17.7904, 9.0930



10.4085, 17.7904, 25.6633

Sweetspot

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



24.1483, 17.7912, 35.4193



54.5509, 52.2383, 67.5944



15.5587, 13.9588, 35.1323



11.8439, 11.2305, 14.7871



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.1483, 17.7912, 35.4193



41.3143, 27.7169, 63.5589



22.7434, 17.3201, 23.9151



6.8638, 6.7338, 8.3447



14.7764, 7.0466, 26.4885



0.2751, 0.1316, 0.4741

Inverse Universe

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



20.8421, 16.5596, 13.9029



34.5207, 25.2016, 18.6516



20.8763, 29.0092, 23.2934



6.6488, 6.6524, 7.0017



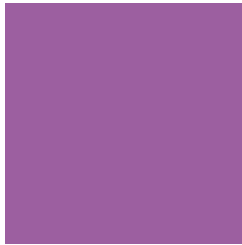
11.3412, 5.8411, 0.7820



0.2071, 0.1062, 0.0366

Previews

White Background



This preview shows how the XYZ color 24.1477, 17.7904, 35.4189 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 24.1477, 17.7904, 35.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

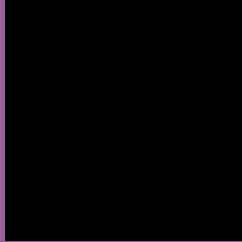
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1477, 17.7904, 35.4189

Background



This preview shows how black text looks on a background with the XYZ color 24.1477, 17.7904, 35.4189.



This preview shows how white text looks on a background with the XYZ color 24.1477, 17.7904,

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

24.1477, 17.7904, 35.4189

Protanopia

18.7911, 17.8829, 43.5356

Deuteranopia

18.3095, 18.0169, 33.9651



Tritanopia

20.6099, 17.7794, 17.9683

Trichromacy



Original Color

24.1477, 17.7904, 35.4189

Protanomaly

20.0895, 17.4790, 40.3452

Deuteranomaly

19.9058, 17.5194, 34.2307

Tritanomaly

21.6318, 17.5945, 23.3750

Monochromacy



Original Color

24.1477, 17.7904, 35.4189

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.9989, 18.4059, 25.4203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1477, 17.7904, 35.4189 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(156, 95, 160)` looks like.

```
.text, #text, p{  
    color:rgb(156, 95, 160)  
}
```

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(156, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 95, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.1477, 17.7904, 35.4189 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(156, 95, 160) }
```


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

```
.border{ border-color:rgb(156, 95, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 95, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(156, 95,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1477, 17.7904, 35.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 95, 160) }
```

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

```
.background{ background-color: rgb(156, 95,  
160) }
```

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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