

Converting Colors

XYZ(28.8038, 24.0667, 38.9620)

Have a look what the booklet for
XYZ(28.8038, 24.0667, 38.9620)
contains.

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Color

**XYZ(28.8178, 24.0421,
38.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	A478A5
RGB	164, 120, 165
RGB Percent	64%, 47%, 65%
CMY	0.3569, 0.5294, 0.3529
CMYK	0.01, 0.27, 0.00, 0.35
HSL	299°, 20%, 56%
HSV	299°, 27%, 65%
XYZ	28.8178, 24.0421, 38.7190
YIQ	138.2860, 11.7790, 23.3230

Conversions

Conversions Part 2

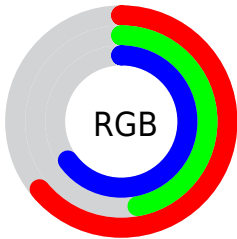
Format	Color
RYB	164, 120, 165
Decimal	10778789
CIELab	56.13, 25.00, -17.33
CIELCh	56, 30.417, 325.263
Yxy	24.0421, 0.3147, 0.2625
Android (android.graphics.Color)	4288968869 (0xFFA478A5)
YUV	138.2860, 13.1700, 22.5512
Hunter-Lab	49.0327, 19.1017, -12.4958

Details

The XYZ color **28.8178, 24.0421, 38.7190** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.7314, 32.3319, 22.7078**, and the grayscale version is **24.2154, 25.4765, 27.7439**.

A 20% lighter version of the original color is **57.0753, 50.1145, 74.3750**, and **11.7894, 9.0782, 16.7537** is the 20% darker color. If you saturate the color by 10%, you get **26.9266, 20.3713, 38.1105**, and if you desaturate by 10%, it is **31.0527, 28.3990, 39.4425**.

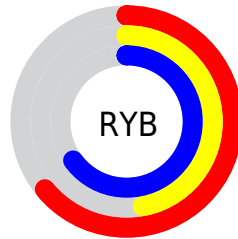
Distribution



Red (64%)

Green (47%)

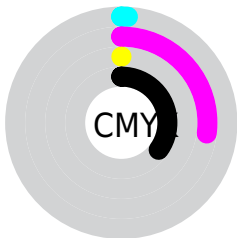
Blue (65%)



Red (64%)

Yellow (47%)

Blue (65%)

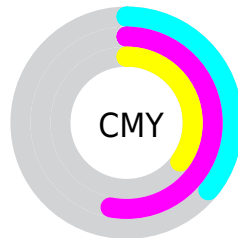


Cyan (1%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (36%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8178, 24.0421, 38.7190 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 28.8178, 24.0421, 38.7190 by changing the saturation by 10% instead.

■ 28.8178, 24.0421,
38.7190

■ 28.8178, 24.0421,
38.7190

288.3641,
273.0333, 356.0845

■ 19.0866, 15.3649,
26.2350

■ 57.1870, 50.0989,
74.4245

■ 11.8373, 9.0758,
16.7722

■ 76.5558, 68.2472,
98.4830

■ 6.7044, 4.7907,
9.9120

■ 99.8678, 90.3214,
127.2369

■ 3.3226, 2.1250,
5.2358

127.4885,
116.7058, 161.1046

■ 1.3266, 0.6786,
2.3251

159.7830,
147.7847, 200.5047

■ 0.2030, 0.0000,
0.7452

197.1169,

■ 0.0000, 0.0000,

183.9427, 245.8557

0.0000

239.8555,
225.5641, 297.5761

■ 28.8178, 24.0421,
38.7190

■ 28.8178, 24.0421,
38.7190

■ 26.9266, 20.3713,
38.1105

■ 31.0527, 28.3990,
39.4425

■ 25.3592, 17.3485,
37.6096

■ 33.6453, 33.4713,
40.2849

■ 24.0974, 14.9363,
37.2106

■ 36.6116, 39.2907,
41.2519

■ 23.1200, 13.0928,
36.9062

■ 39.9659, 45.8858,
42.3480

■ 22.4033, 11.7703,
36.6887

■ 43.7218, 53.2839,
43.5781

■ 21.9197, 10.9136,
36.5489

■ 47.8923, 61.5107,
44.9462

■ 21.6261, 10.4367,
36.4723

■ 52.4897, 70.5911,
46.4566

■ 21.5570, 10.3285,
36.4550

■ 57.5258, 80.5486,
48.1131

■ 58.5515, 82.4849,
48.4328

Harmonies

Analogous

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



25.8347, 24.0421, 47.6743



28.8178, 24.0421, 38.7190



30.2081, 24.0421, 27.7964

Triad

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



28.8178, 24.0421, 38.7190



23.4097, 24.0421, 11.3222



17.3067, 24.0421, 35.2605

Complementary

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



28.8178, 24.0421, 38.7190



24.7314, 32.3319, 22.7078

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.



16.7978, 24.0421, 24.6232



28.8178, 24.0421, 38.7190



20.1069, 24.0421, 12.3658

Square

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



28.8178, 24.0421, 38.7190



26.8900, 24.0421, 13.3532



17.7710, 24.0421, 16.6873



19.2387, 24.0421, 45.3475

Rectangle

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



28.8178, 24.0421, 38.7190



29.9515, 24.0421, 21.4399



17.7710, 24.0421, 16.6873



16.9725, 24.0421, 31.5667

Sweetspot

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



28.8186, 24.0432, 38.7195



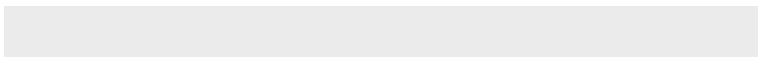
59.8228, 59.0958, 72.0060



21.4367, 20.5076, 38.4261



12.9245, 12.6180, 15.6918



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.



28.8186, 24.0432, 38.7195



49.3961, 38.7556, 68.6295



27.2684, 23.4470, 29.4750



7.3487, 7.1941, 8.9044



16.3138, 7.8166, 27.5787



0.3473, 0.1666, 0.5797

Inverse Universe

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



25.6856, 22.8139, 21.1402



42.8071, 36.1728, 31.5482



26.0094, 32.8270, 30.1657



7.0799, 7.0884, 7.4069



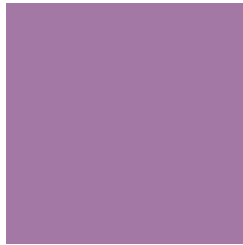
11.7565, 6.0587, 0.6426



0.2488, 0.1280, 0.0230

Previews

White Background



This preview shows how the XYZ color 28.8178, 24.0421, 38.7190 looks on a white background.

Color Contrast Check

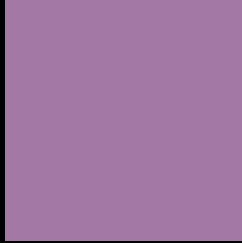
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8178, 24.0421, 38.7190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

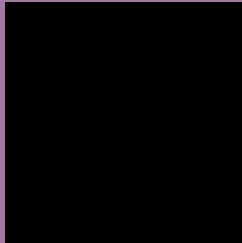
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8178, 24.0421, 38.7190

Background



This preview shows how black text looks on a background with the XYZ color 28.8178, 24.0421, 38.7190.



This preview shows how white text looks on a background with the XYZ color 28.8178, 24.0421,

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

28.8178, 24.0421, 38.7190

Protanopia

24.3397, 24.1161, 43.4164

Deuteranopia

24.6936, 24.2152, 38.0228



Tritanopia

26.3312, 24.1446, 26.1942

Trichromacy



Original Color

28.8178, 24.0421, 38.7190

Protanomaly

25.7173, 23.8676, 41.7795

Deuteranomaly

26.0971, 24.1384, 38.4057

Tritanomaly

27.0939, 24.0677, 30.4117

Monochromacy



Original Color

28.8178, 24.0421, 38.7190

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4942, 24.5738, 31.4165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8178, 24.0421, 38.7190 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(164, 120, 165)` looks like.

```
.text, #text, p{  
    color:rgb(164, 120, 165)  
}
```

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(164, 120, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 120, 165) }
```

Border

The CSS property to change the border of an element to XYZ 28.8178, 24.0421, 38.7190 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(164, 120, 165) }
```


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

```
.border{ border-color:rgb(164, 120, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 120, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 120, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 120, 165);  
box-shadow:4px 4px 4px 4px rgb(164, 120,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8178, 24.0421, 38.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 120, 165) }
```

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

```
.background{ background-color: rgb(164,  
120, 165) }
```

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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