

Converting Colors

XYZ(24.0802, 21.7021, 48.3906)

Have a look what the booklet for
XYZ(24.0802, 21.7021, 48.3906)
contains.

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Color

**XYZ(24.0687, 21.7397,
48.2750)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7AB8
RGB	125, 122, 184
RGB Percent	49%, 48%, 72%
CMY	0.5098, 0.5216, 0.2784
CMYK	0.32, 0.34, 0.00, 0.28
HSL	243°, 30%, 60%
HSV	243°, 34%, 72%
XYZ	24.0687, 21.7397, 48.2750
YIQ	129.9650, -18.1140, 19.9180

Conversions

Conversions Part 2

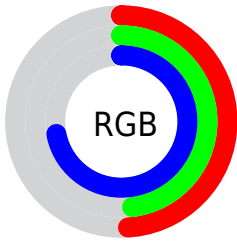
Format	Color
R _{YB}	125, 122, 184
Decimal	8223416
CIE Lab	53.75, 15.69, -32.25
CIE LCh	54, 35.859, 295.939
Yxy	21.7397, 0.2558, 0.2311
Android (android.graphics.Color)	4286413496 (0xFF7D7AB8)
YUV	129.9650, 26.6393, -4.3543
Hunter-Lab	46.6259, 10.5481, -28.7490

Details

The XYZ color **24.0687, 21.7397, 48.2750** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.7097, 45.5102, 25.1045**, and the grayscale version is **21.1198, 22.2196, 24.1972**.

A 20% lighter version of the original color is **49.4546, 46.1471, 88.7388**, and **9.2269, 7.8202, 22.4959** is the 20% darker color. If you saturate the color by 10%, you get **19.6850, 16.4379, 47.4831**, and if you desaturate by 10%, it is **29.3322, 28.1309, 49.2316**.

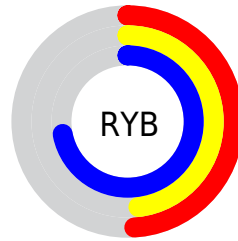
Distribution



Red (49%)

Green (48%)

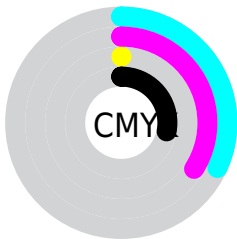
Blue (72%)



Red (49%)

Yellow (48%)

Blue (72%)

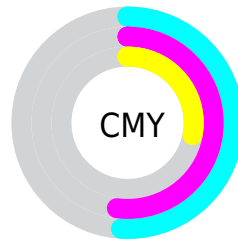


Cyan (32%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (51%)

Magenta (52%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0687, 21.7397, 48.2750 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 24.0687, 21.7397, 48.2750 by changing the saturation by 10% instead.

■ 24.0687, 21.7397,
48.2750

■ 24.0687, 21.7397,
48.2750

265.6017,
261.1839, 396.4212

■ 15.5096, 13.6658,
33.6832

■ 49.5961, 46.3154,
88.9835

■ 9.2664, 7.8886,
22.3749

■ 67.2952, 63.5860,
115.9373

■ 4.9739, 4.0237,
13.9317

■ 88.7716, 84.6908,
147.8488

■ 2.2665, 1.6868,
7.9350

114.3908,
110.0144, 185.1366

■ 0.7775, 0.4151,
3.9662

144.5180,
139.9411, 228.2192

■ 0.0000, 0.0000,
1.6068

179.5186,

■ 0.0000, 0.0000,

174.8554, 277.5151

0.2957

219.7581,
215.1415, 333.4430

■ 0.0000, 0.0000,
0.0000

■ 24.0687, 21.7397,
48.2750

■ 24.0687, 21.7397,
48.2750

■ 19.6850, 16.4379,
47.4831

■ 29.3322, 28.1309,
49.2316

■ 16.1311, 12.1624,
46.8451

■ 35.5176, 35.6649,
50.3598

■ 13.3552, 8.8475,
46.3516

■ 42.6667, 44.3947,
51.6680

■ 11.2989, 6.4189,
45.9912

■ 50.8185, 54.3691,
53.1636

■ 9.8955, 4.7911,
45.7510

■ 60.0094, 65.6342,
54.8536

■ 9.0659, 3.8623,
45.6154

■ 70.2744, 78.2339,
56.7446

■ 8.7633, 3.5182,
45.5650

■ 81.6465, 92.2098,
58.8428

■ 85.6518, 96.2407,
59.4097

Harmonies

Analogous

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



20.1437, 21.7397, 51.6979



24.0687, 21.7397, 48.2750



27.4133, 21.7397, 37.6213

Triad

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



24.0687, 21.7397, 48.2750



25.0867, 21.7397, 10.1052



14.1305, 21.7397, 22.2027

Complementary

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



24.0687, 21.7397, 48.2750



39.7097, 45.5102, 25.1045

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.



15.1230, 21.7397, 13.6816



24.0687, 21.7397, 48.2750



21.1910, 21.7397, 8.2086

Square

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



24.0687, 21.7397, 48.2750



28.0504, 21.7397, 15.5642



17.5946, 21.7397, 9.2787



14.7017, 21.7397, 34.1937

Rectangle

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



24.0687, 21.7397, 48.2750



28.6969, 21.7397, 29.1971



17.5946, 21.7397, 9.2787



14.2886, 21.7397, 18.8900

Sweetspot

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



24.0695, 21.7405, 48.2755



68.7530, 69.9818, 92.0888



33.3926, 41.0274, 51.5069



14.4438, 14.6254, 19.7833



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.0695, 21.7405, 48.2755



37.9258, 32.5044, 86.4797



29.1423, 24.3557, 48.5129



8.5602, 8.7397, 11.3152



6.0569, 2.4337, 31.4036



0.2272, 0.0928, 1.1077

Inverse Universe

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



35.0677, 27.4463, 47.1656



60.7835, 44.3665, 84.0025



33.4040, 42.2595, 24.8094



9.3617, 9.1550, 11.2519



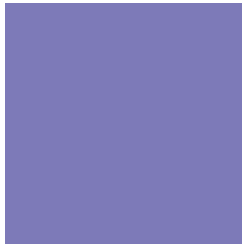
18.9704, 9.1619, 28.7947



0.6745, 0.3253, 1.0456

Previews

White Background



This preview shows how the XYZ color 24.0687, 21.7397, 48.2750 looks on a white background.

Color Contrast Check

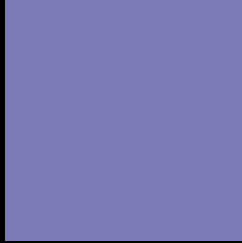
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0687, 21.7397, 48.2750 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 24.0687, 21.7397, 48.2750

Background



This preview shows how black text looks on a background with the XYZ color 24.0687, 21.7397, 48.2750.



This preview shows how white text looks on a background with the XYZ color 24.0687, 21.7397,

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

24.0687, 21.7397, 48.2750

Protanopia

22.7223, 21.7407, 50.5757

Deuteranopia

22.3210, 21.7858, 47.8284



Tritanopia

20.1265, 21.8687, 28.3596

Trichromacy



Original Color

24.0687, 21.7397, 48.2750

Protanomaly

23.2427, 21.8325, 50.0028

Deuteranomaly

22.8203, 21.6635, 47.7785

Tritanomaly

21.4127, 21.7946, 34.9765

Monochromacy



Original Color

24.0687, 21.7397, 48.2750

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9965, 21.9699, 31.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0687, 21.7397, 48.2750 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(125, 122, 184)` looks like.

```
.text, #text, p{  
    color:rgb(125, 122, 184)  
}
```

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(125, 122, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 122, 184) }
```

Border

The CSS property to change the border of an element to XYZ 24.0687, 21.7397, 48.2750 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(125, 122, 184) }
```


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

```
.border{ border-color:rgb(125, 122, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 122, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 122, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 122, 184);  
box-shadow:4px 4px 4px 4px rgb(125, 122,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0687, 21.7397, 48.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 122, 184) }
```

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

```
.background{ background-color: rgb(125,  
122, 184) }
```

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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