

Converting Colors

XYZ(24.8374, 21.9359, 49.8266)

Have a look what the booklet for
XYZ(24.8374, 21.9359, 49.8266)
contains.

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Color

**XYZ(24.8603, 21.9297,
49.9363)**

Conversions

Conversions Part 1

Format	Color
Hex	8179BB
RGB	129, 121, 187
RGB Percent	51%, 47%, 73%
CMY	0.4941, 0.5255, 0.2667
CMYK	0.31, 0.35, 0.00, 0.27
HSL	247°, 33%, 60%
HSV	247°, 35%, 73%
XYZ	24.8603, 21.9297, 49.9363
YIQ	130.9160, -16.4180, 22.2220

Conversions

Conversions Part 2

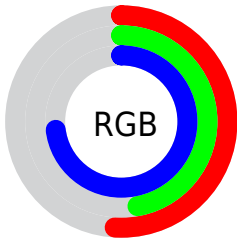
Format	Color
RYB	129, 121, 187
Decimal	8485307
CIELab	53.95, 18.24, -33.63
CIELCh	54, 38.257, 298.480
Yxy	21.9297, 0.2570, 0.2267
Android (android.graphics.Color)	4286675387 (0xFF8179BB)
YUV	130.9160, 27.6494, -1.6803
Hunter-Lab	46.8292, 12.8097, -30.4435

Details

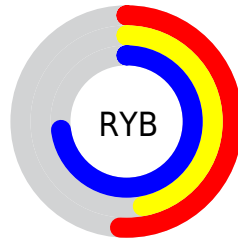
The XYZ color **24.8603, 21.9297, 49.9363** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.8122, 46.5052, 24.9680**, and the grayscale version is **21.4527, 22.5700, 24.5787**.

A 20% lighter version of the original color is **50.6497, 46.4255, 91.0855**, and **9.6116, 7.9060, 23.2097** is the 20% darker color. If you saturate the color by 10%, you get **20.5057, 16.6324, 49.1437**, and if you desaturate by 10%, it is **30.0584, 28.3166, 50.8955**.

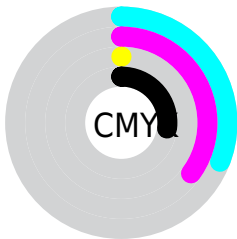
Distribution



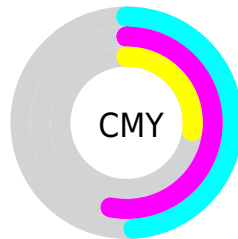
- Red (51%)
- Green (47%)
- Blue (73%)



- Red (51%)
- Yellow (47%)
- Blue (73%)



- Cyan (31%)
- Magenta (35%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8603, 21.9297, 49.9363 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 24.8603, 21.9297, 49.9363 by changing the saturation by 10% instead.

■ 24.8603, 21.9297,
49.9363

■ 24.8603, 21.9297,
49.9363

269.5020,
262.1789, 403.1447

■ 16.1012, 13.8053,
34.9920

■ 50.8750, 46.6298,
91.4758

■ 9.6871, 7.9853,
23.3732

■ 68.8613, 63.9742,
118.9081

■ 5.2526, 4.0856,
14.6614

■ 90.6541, 85.1607,
151.3401

■ 2.4325, 1.7215,
8.4381

116.6187,
110.5738, 189.1903

■ 0.8614, 0.4375,
4.2848

147.1204,
140.5977, 232.8774

■ 0.0000, 0.0000,
1.7828

182.5246,

■ 0.0000, 0.0000,

175.6170, 282.8197

0.4166

223.1967,
216.0159, 339.4360

■ 0.0000, 0.0000,
0.0000

■ 24.8603, 21.9297,
49.9363

■ 24.8603, 21.9297,
49.9363

■ 20.5057, 16.6324,
49.1437

■ 30.0584, 28.3166,
50.8955

■ 16.9475, 12.3612,
48.5068

■ 36.1391, 35.8468,
52.0285

■ 14.1377, 9.0498,
48.0158

■ 43.1417, 44.5735,
53.3438

■ 12.0218, 6.6234,
47.6589

■ 51.1025, 54.5456,
54.8491

■ 10.5381, 4.9954,
47.4229

■ 60.0560, 65.8097,
56.5514

■ 9.6125, 4.0611,
47.2913

■ 70.0348, 78.4095,
58.4574

■ 9.3155, 3.7662,
47.2501

■ 81.0700, 92.3870,
60.5737

■ 85.9697, 96.3679,
61.0839

Harmonies

Analogous

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



20.6337, 21.9297, 54.5555



24.8603, 21.9297, 49.9363



28.3647, 21.9297, 37.8357

Triad

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



24.8603, 21.9297, 49.9363



25.2726, 21.9297, 9.2736



13.8758, 21.9297, 23.2799

Complementary

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



24.8603, 21.9297, 49.9363



39.8122, 46.5052, 24.9680

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.



14.7854, 21.9297, 13.8596



24.8603, 21.9297, 49.9363



21.0547, 21.9297, 7.6047

Square

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



24.8603, 21.9297, 49.9363



28.6240, 21.9297, 14.5990



17.2845, 21.9297, 8.9564



14.6186, 21.9297, 36.4342

Rectangle

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



24.8603, 21.9297, 49.9363



29.6242, 21.9297, 28.7092



17.2845, 21.9297, 8.9564



13.9959, 21.9297, 19.6212

Sweetspot

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



24.8611, 21.9305, 49.9368



69.6819, 70.3683, 94.1112



33.0357, 40.0140, 52.9964



14.9773, 15.0384, 20.6559



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.8611, 21.9305, 49.9368



38.6232, 32.0866, 88.3591



30.6471, 24.9133, 50.2076



9.1211, 9.2793, 11.9826



6.4520, 2.6122, 32.5570



0.2885, 0.1208, 1.2770

Inverse Universe

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



35.4680, 27.4949, 46.0855



60.4270, 43.5341, 80.0191



33.1296, 43.0602, 24.6552



9.8788, 9.6758, 11.7508



18.7756, 9.1414, 25.1758



0.7497, 0.3638, 1.0610

Previews

White Background



This preview shows how the XYZ color 24.8603, 21.9297, 49.9363 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 24.8603, 21.9297, 49.9363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

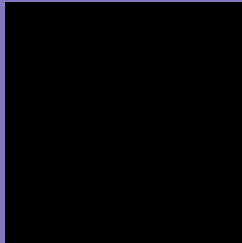
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.8603, 21.9297, 49.9363

Background



This preview shows how black text looks on a background with the XYZ color 24.8603, 21.9297, 49.9363.

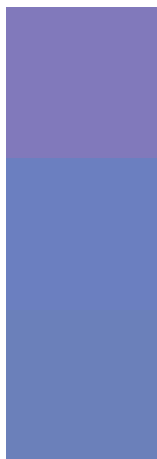


This preview shows how white text looks on a background with the XYZ color 24.8603, 21.9297,

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

24.8603, 21.9297, 49.9363

Protanopia

23.1672, 22.1103, 52.9158

Deuteranopia

22.6455, 22.1093, 49.5284



Tritanopia

20.3981, 21.8103, 28.3340

Trichromacy



Original Color

24.8603, 21.9297, 49.9363

Protanomaly

23.6981, 22.0298, 51.7183

Deuteranomaly

23.2668, 21.8572, 49.4470

Tritanomaly

21.9293, 21.8583, 35.4110

Monochromacy



Original Color

24.8603, 21.9297, 49.9363

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.3812, 22.1589, 32.3756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8603, 21.9297, 49.9363 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(129, 121, 187)` looks like.

```
.text, #text, p{  
    color:rgb(129, 121, 187)  
}
```

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(129, 121, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 121, 187) }
```

Border

The CSS property to change the border of an element to XYZ 24.8603, 21.9297, 49.9363 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(129, 121, 187) }
```


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

```
.border{ border-color:rgb(129, 121, 187) }
```

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

Here you see how a box with a 4 pixel rgb(129, 121, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 121, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 121, 187);  
box-shadow:4px 4px 4px 4px rgb(129, 121,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8603, 21.9297, 49.9363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 121, 187) }
```

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

```
.background{ background-color: rgb(129,  
121, 187) }
```

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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