

Converting Colors

XYZ(24.7143, 24.8443, 44.5673)

Have a look what the booklet for
XYZ(24.7143, 24.8443, 44.5673)
contains.

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Color

**XYZ(24.8090, 24.9539,
44.5833)**

Conversions

Conversions Part 1

Format	Color
Hex	7B88B0
RGB	123, 136, 176
RGB Percent	48%, 53%, 69%
CMY	0.5176, 0.4667, 0.3098
CMYK	0.30, 0.23, 0.00, 0.31
HSL	225°, 25%, 59%
HSV	225°, 30%, 69%
XYZ	24.8090, 24.9539, 44.5833
YIQ	136.6730, -20.5880, 9.6840

Conversions

Conversions Part 2

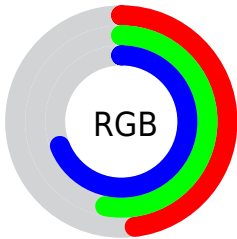
Format	Color
R_{YB}	123, 133, 176
Decimal	8095920
CIE _{Lab}	57.03, 4.75, -22.60
CIE _{LCh}	57, 23.094, 281.881
Yxy	24.9539, 0.2630, 0.2645
Android (android.graphics.Color)	4286286000 (0xFF7B88B0)
YUV	136.6730, 19.3882, -11.9912
Hunter-Lab	49.9539, 1.2306, -17.9480

Details

The XYZ color **24.8090, 24.9539, 44.5833** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.5772, 36.8547, 24.0309**, and the grayscale version is **23.5900, 24.8185, 27.0273**.

A 20% lighter version of the original color is **50.8945, 51.5685, 83.6152**, and **9.5754, 9.4634, 20.0608** is the 20% darker color. If you saturate the color by 10%, you get **20.7579, 20.2589, 43.8910**, and if you desaturate by 10%, it is **29.5462, 30.3479, 45.3752**.

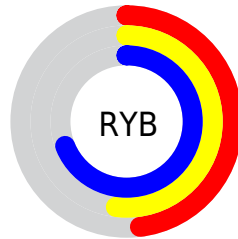
Distribution



Red (48%)

Green (53%)

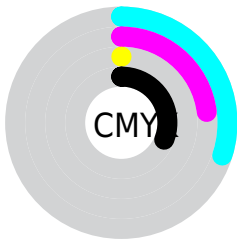
Blue (69%)



Red (48%)

Yellow (52%)

Blue (69%)

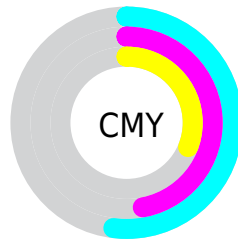


Cyan (30%)

Magenta (23%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (47%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8090, 24.9539, 44.5833 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 24.8090, 24.9539, 44.5833 by changing the saturation by 10% instead.

■ 24.8090, 24.9539,
44.5833

■ 24.8090, 24.9539,
44.5833

269.2506,
277.6083, 381.1941

■ 16.0628, 16.0427,
30.7888

■ 50.7923, 51.5824,
83.4066

■ 9.6597, 9.5544,
20.1809

■ 68.7601, 70.0686,
109.2724

■ 5.2345, 5.1045,
12.3413

■ 90.5325, 92.5151,
139.9991

■ 2.4216, 2.3087,
6.8512

116.4749,
119.3065, 176.0051

■ 0.8559, 0.7783,
3.2922

146.9525,
150.8271, 217.7091

■ 0.0000, 0.0000,
1.2457

182.3307,

■ 0.0000, 0.0000,

187.4614, 265.5296

0.0166

222.9750,
229.5936, 319.8851

■ 0.0000, 0.0000,
0.0000

■ 24.8090, 24.9539,
44.5833

■ 24.8090, 24.9539,
44.5833

■ 20.7579, 20.2589,
43.8910

■ 29.5462, 30.3479,
45.3752

■ 17.3578, 16.2305,
43.2927

■ 34.9976, 36.4656,
46.2687

■ 14.5739, 12.8383,
42.7846

■ 41.1925, 43.3340,
47.2679

■ 12.3674, 10.0477,
42.3623

■ 48.1580, 50.9778,
48.3762

■ 10.6943, 7.8211,
42.0207

■ 55.9196, 59.4207,
49.5968

■ 9.5041, 6.1157,
41.7542

■ 64.5019, 68.6851,
50.9327

■ 8.7068, 4.8750,
41.5568

■ 73.9280, 78.7927,
52.3868

■ 80.9075, 88.0565,
53.8070

■ 84.8366, 95.9146,
55.1167

Harmonies

Analogous

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



22.1313, 24.9539, 44.0001



24.8090, 24.9539, 44.5833



27.3763, 24.9539, 39.8905

Triad

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



24.8090, 24.9539, 44.5833



27.8207, 24.9539, 18.3622



19.0945, 24.9539, 22.7814

Complementary

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



24.8090, 24.9539, 44.5833



34.5772, 36.8547, 24.0309

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.



20.4009, 24.9539, 17.4905



24.8090, 24.9539, 44.5833



25.3787, 24.9539, 15.2946

Square

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



24.8090, 24.9539, 44.5833



29.2018, 24.9539, 24.2073



22.6593, 24.9539, 15.0094



18.9676, 24.9539, 30.3663

Rectangle

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



24.8090, 24.9539, 44.5833



28.6263, 24.9539, 34.8432



22.6593, 24.9539, 15.0094



19.4054, 24.9539, 20.7161

Sweetspot

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



24.8098, 24.9549, 44.5839



64.4877, 67.2663, 84.0801



30.2828, 37.8975, 40.2524



13.6485, 14.2131, 18.1684



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.8098, 24.9549, 44.5839



40.0696, 39.5684, 80.0209



25.1141, 22.5564, 44.1049



8.2057, 8.5576, 10.7256



6.4280, 3.6564, 30.5039



0.2488, 0.2082, 0.9753

Inverse Universe

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



29.4321, 25.1743, 26.6015



49.8766, 40.3660, 41.7932



34.1541, 40.2414, 24.7068



8.5790, 8.5383, 9.2815



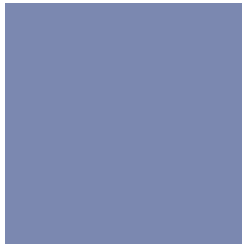
13.4792, 6.9092, 2.4175



0.4476, 0.2268, 0.1998

Previews

White Background



This preview shows how the XYZ color 24.8090, 24.9539, 44.5833 looks on a white background.

Color Contrast Check

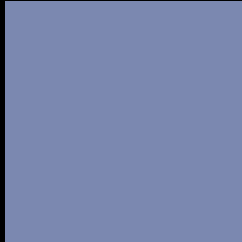
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8090, 24.9539, 44.5833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

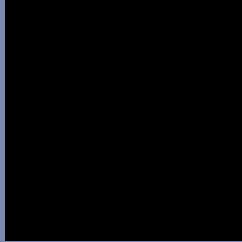
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

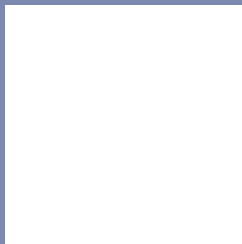
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8090, 24.9539, 44.5833

Background



This preview shows how black text looks on a background with the XYZ color 24.8090, 24.9539, 44.5833.



This preview shows how white text looks on a background with the XYZ color 24.8090, 24.9539,

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

24.8090, 24.9539, 44.5833

Protanopia

25.0060, 24.8587, 44.0377

Deuteranopia

25.4148, 24.8519, 44.5317



Tritanopia

22.5168, 24.8747, 33.3203

Trichromacy



Original Color

24.8090, 24.9539, 44.5833

Protanomaly

24.8593, 24.7831, 44.0308

Deuteranomaly

25.2528, 24.9746, 44.5639

Tritanomaly

23.4114, 25.0315, 37.3159

Monochromacy



Original Color

24.8090, 24.9539, 44.5833

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.0473, 25.0312, 32.8422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8090, 24.9539, 44.5833 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(123, 136, 176)` looks like.

```
.text, #text, p{  
    color:rgb(123, 136, 176)  
}
```

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(123, 136, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 136, 176) }
```

Border

The CSS property to change the border of an element to XYZ 24.8090, 24.9539, 44.5833 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(123, 136, 176) }
```


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

```
.border{ border-color:rgb(123, 136, 176) }
```

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

Here you see how a box with a 4 pixel rgb(123, 136, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 136, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 136, 176);  
box-shadow:4px 4px 4px 4px rgb(123, 136,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8090, 24.9539, 44.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 136, 176) }
```

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

```
.background{ background-color: rgb(123,  
136, 176) }
```

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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