

Converting Colors

XYZ(24.7309, 24.1232, 49.3630)

Have a look what the booklet for
XYZ(24.7309, 24.1232, 49.3630)
contains.

XYZ(24.7522, 24.1998, 49.2654)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7522, 24.1998,
49.2654)**

Conversions

Conversions Part 1

Format	Color
Hex	7785B9
RGB	119, 133, 185
RGB Percent	47%, 52%, 73%
CMY	0.5333, 0.4784, 0.2745
CMYK	0.36, 0.28, 0.00, 0.27
HSL	227°, 32%, 60%
HSV	227°, 36%, 73%
XYZ	24.7522, 24.1998, 49.2654
YIQ	134.7420, -25.0360, 13.2040

Conversions

Conversions Part 2

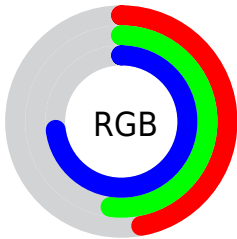
Format	Color
R_{YB}	119, 131, 185
Decimal	7833017
CIE _{Lab}	56.29, 7.71, -28.91
CIE _{LCh}	56, 29.919, 284.941
Yxy	24.1998, 0.2520, 0.2464
Android (android.graphics.Color)	4286023097 (0xFF7785B9)
YUV	134.7420, 24.7772, -13.8057
Hunter-Lab	49.1933, 3.7262, -24.9416

Details

The XYZ color **24.7522, 24.1998, 49.2654** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **37.9007, 40.7724, 23.3258**, and the grayscale version is **22.8521, 24.0422, 26.1819**.

A 20% lighter version of the original color is **50.6697, 50.3529, 90.2676**, and **9.6499, 9.1999, 23.0969** is the 20% darker color. If you saturate the color by 10%, you get **20.5972, 19.2986, 48.5388**, and if you desaturate by 10%, it is **29.6800, 29.9115, 50.1086**.

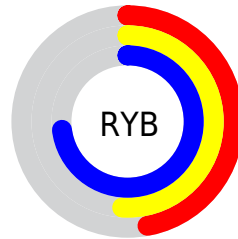
Distribution



Red (47%)

Green (52%)

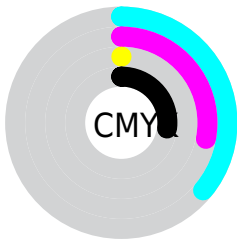
Blue (73%)



Red (47%)

Yellow (51%)

Blue (73%)

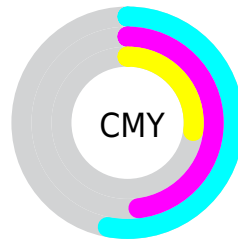


Cyan (36%)

Magenta (28%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (48%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7522, 24.1998, 49.2654 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 24.7522, 24.1998, 49.2654 by changing the saturation by 10% instead.

■ 24.7522, 24.1998,
49.2654

■ 24.7522, 24.1998,
49.2654

268.9721,
273.8290, 400.4387

■ 16.0203, 15.4819,
34.4630

■ 50.7007, 50.3560,
90.4706

■ 9.6294, 9.1583,
22.9693

■ 68.6480, 68.5632,
117.7104

■ 5.2143, 4.8446,
14.3657

■ 90.3979, 90.7022,
149.9331

■ 2.4096, 2.1564,
8.2338

116.3156,
117.1575, 187.5572

■ 0.8499, 0.6960,
4.1550

146.7665,
148.3134, 231.0013

■ 0.0000, 0.0000,
1.7108

182.1160,

■ 0.0000, 0.0000,

184.5544, 280.6839

0.3681

222.7294,
226.2648, 337.0235

■ 0.0000, 0.0000,
0.0000

■ 24.7522, 24.1998,
49.2654

■ 24.7522, 24.1998,
49.2654

■ 20.5972, 19.2986,
48.5388

■ 29.6800, 29.9115,
50.1086

■ 17.1723, 15.1675,
47.9219

■ 35.4153, 36.4660,
51.0714

■ 14.4345, 11.7669,
47.4098

■ 41.9936, 43.8969,
52.1590

■ 12.3351, 9.0523,
46.9965

■ 49.4475, 52.2356,
53.3757

■ 10.8184, 6.9739,
46.6753

■ 57.8080, 61.5114,
54.7255

■ 9.8167, 5.4734,
46.4385

■ 67.1043, 71.7527,
56.2123

■ 9.4906, 4.9699,
46.3585

■ 77.3646, 82.9865,
57.8398

■ 84.0609, 92.8906,
59.3986

■ 85.7570, 96.2828,
59.9640

Harmonies

Analogous

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



21.3223, 24.1998, 49.2502



24.7522, 24.1998, 49.2654



28.0063, 24.1998, 42.1930

Triad

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



24.7522, 24.1998, 49.2654



28.0172, 24.1998, 15.0896



17.1777, 24.1998, 21.7204

Complementary

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



24.7522, 24.1998, 49.2654



37.9007, 40.7724, 23.3258

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.



18.6310, 24.1998, 15.0706



24.7522, 24.1998, 49.2654



24.7660, 24.1998, 11.9446

Square

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



24.7522, 24.1998, 49.2654



30.0154, 24.1998, 21.7534



21.3348, 24.1998, 11.9386



17.1749, 24.1998, 31.5512

Rectangle

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



24.7522, 24.1998, 49.2654



29.5407, 24.1998, 35.2316



21.3348, 24.1998, 11.9386



17.5059, 24.1998, 19.1017

Sweetspot

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



24.7530, 24.2007, 49.2660



68.5332, 71.0940, 92.3150



32.2794, 41.5493, 44.6974



14.4391, 14.9472, 19.8457



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.



24.7530, 24.2007, 49.2660



38.2506, 36.1829, 87.1726



25.7862, 22.0749, 48.8012



8.6714, 9.0201, 11.3634



6.5065, 3.4726, 31.5804



0.2748, 0.2132, 1.1284

Inverse Universe

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



30.8387, 25.2022, 25.4304



50.9406, 38.7445, 37.3645



36.4682, 44.1698, 24.0571



9.0805, 9.0426, 9.7713



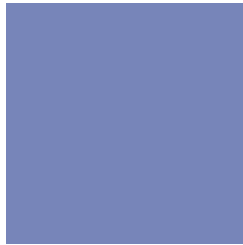
13.8978, 7.1329, 2.0829



0.5129, 0.2606, 0.1941

Previews

White Background



This preview shows how the XYZ color 24.7522, 24.1998, 49.2654 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 24.7522, 24.1998, 49.2654 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

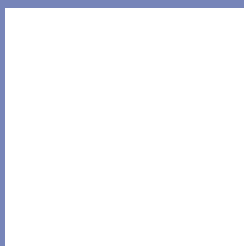
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7522, 24.1998, 49.2654

Background



This preview shows how black text looks on a background with the XYZ color 24.7522, 24.1998, 49.2654.



This preview shows how white text looks on a background with the XYZ color 24.7522, 24.1998,

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

24.7522, 24.1998, 49.2654

Protanopia

24.7522, 24.1998, 49.2654

Deuteranopia

24.7522, 24.1998, 49.2654



Tritanopia

21.5195, 24.3700, 32.8478

Trichromacy



Original Color

24.7522, 24.1998, 49.2654

Protanomaly

24.7522, 24.1998, 49.2654

Deuteranomaly

24.7522, 24.1998, 49.2654

Tritanomaly

22.4959, 24.1131, 38.1190

Monochromacy



Original Color

24.7522, 24.1998, 49.2654

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.3281, 24.0172, 33.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7522, 24.1998, 49.2654 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(119, 133, 185)` looks like.

```
.text, #text, p{  
    color:rgb(119, 133, 185)  
}
```

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(119, 133, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 133, 185) }
```

Border

The CSS property to change the border of an element to XYZ 24.7522, 24.1998, 49.2654 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(119, 133, 185) }
```


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

```
.border{ border-color:rgb(119, 133, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 133, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 133, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 133, 185);  
box-shadow:4px 4px 4px 4px rgb(119, 133,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7522, 24.1998, 49.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 133, 185) }
```

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

```
.background{ background-color: rgb(119,  
133, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor