

Converting Colors

XYZ(24.8914, 24.0524, 40.7220)

Have a look what the booklet for
XYZ(24.8914, 24.0524, 40.7220)
contains.

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Color

**XYZ(24.9506, 24.0837,
40.8697)**

Conversions

Conversions Part 1

Format	Color
Hex	8583A9
RGB	133, 131, 169
RGB Percent	52%, 51%, 66%
CMY	0.4784, 0.4863, 0.3373
CMYK	0.21, 0.22, 0.00, 0.34
HSL	243°, 18%, 59%
HSV	243°, 22%, 66%
XYZ	24.9506, 24.0837, 40.8697
YIQ	135.9300, -11.0060, 12.2420

Conversions

Conversions Part 2

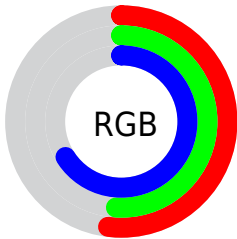
Format	Color
R_{YB}	133, 131, 169
Decimal	8749993
CIE _{Lab}	56.17, 9.06, -19.84
CIE _{LCh}	56, 21.809, 294.557
Yxy	24.0837, 0.2775, 0.2679
Android (android.graphics.Color)	4286940073 (0xFF8583A9)
YUV	135.9300, 16.3035, -2.5696
Hunter-Lab	49.0751, 4.8708, -15.0240

Details

The XYZ color **24.9506, 24.0837, 40.8697** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.2218, 38.2307, 27.0493**, and the grayscale version is **23.3200, 24.5345, 26.7181**.

A 20% lighter version of the original color is **51.0886, 50.2276, 77.5232**, and **9.7955, 9.1579, 18.0810** is the 20% darker color. If you saturate the color by 10%, you get **20.5253, 18.7037, 40.0649**, and if you desaturate by 10%, it is **30.1330, 30.4048, 41.8170**.

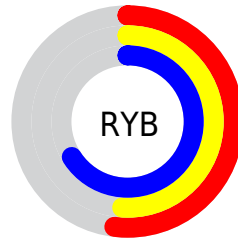
Distribution



Red (52%)

Green (51%)

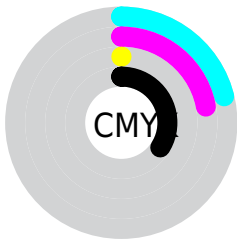
Blue (66%)



Red (52%)

Yellow (51%)

Blue (66%)

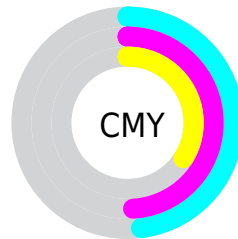


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (34%)



Cyan (48%)

Magenta (49%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9506, 24.0837, 40.8697 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 24.9506, 24.0837, 40.8697 by changing the saturation by 10% instead.

■ 24.9506, 24.0837,
40.8697

■ 24.9506, 24.0837,
40.8697

269.9440,
273.2434, 365.4362

■ 16.1688, 15.3957,
27.8984

■ 51.0205, 50.1668,
77.7376

■ 9.7353, 9.0976,
18.0107

■ 69.0394, 68.3306,
102.4712

■ 5.2847, 4.8049,
10.7881

■ 90.8679, 90.4219,
131.9626

■ 2.4517, 2.1332,
5.8122

116.8716,
116.8250, 166.6304

■ 0.8710, 0.6832,
2.6643

147.4157,
147.9243, 206.8932

■ 0.0000, 0.0000,
0.9254

182.8655,

■ 0.0000, 0.0000,

184.1042, 253.1693

0.0000

223.5865,
225.7491, 305.8775

■ 24.9506, 24.0837,
40.8697

■ 24.9506, 24.0837,
40.8697

■ 20.5253, 18.7037,
40.0649

■ 30.1330, 30.4048,
41.8170

■ 16.8196, 14.2171,
39.3942

■ 36.1032, 37.7058,
42.9116

■ 13.7959, 10.5762,
38.8508

■ 42.8929, 46.0270,
44.1599

■ 11.4127, 7.7280,
38.4267

■ 50.5317, 55.4056,
45.5676

■ 9.6237, 5.6135,
38.1128

■ 59.0473, 65.8768,
47.1399

■ 8.3764, 4.1653,
37.8990

■ 68.4665, 77.4743,
48.8820

■ 7.6093, 3.3035,
37.7731

■ 78.8147, 90.2303,
50.7987

■ 7.2728, 2.9220,
37.7172

■ 84.1615, 95.6446,
51.5620

Harmonies

Analogous

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



22.4372, 24.0837, 42.4834



24.9506, 24.0837, 40.8697



27.0415, 24.0837, 35.0590

Triad

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



24.9506, 24.0837, 40.8697



25.7978, 24.0837, 16.5175



18.4248, 24.0837, 24.9368

Complementary

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



24.9506, 24.0837, 40.8697



34.2218, 38.2307, 27.0493

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.



19.1883, 24.0837, 19.0125



24.9506, 24.0837, 40.8697



23.3506, 24.0837, 14.7525

Square

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



24.9506, 24.0837, 40.8697



27.5550, 24.0837, 20.8999



20.9477, 24.0837, 15.5749



18.7851, 24.0837, 32.3810

Rectangle

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



24.9506, 24.0837, 40.8697



27.8522, 24.0837, 30.0686



20.9477, 24.0837, 15.5749



18.5567, 24.0837, 22.7202

Sweetspot

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



24.9514, 24.0847, 40.8702



59.5162, 61.2363, 75.9080



30.3592, 35.3646, 42.7625



12.8422, 13.1882, 16.5209



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.9514, 24.0847, 40.8702



40.5581, 38.1109, 72.4436



28.2087, 25.7639, 41.0227



7.1670, 7.3187, 9.4532



5.4348, 2.1852, 28.1108



0.1433, 0.0589, 0.6845

Inverse Universe

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



31.4543, 27.4586, 40.2022



54.3086, 45.2466, 70.9622



30.5162, 36.3204, 26.8759



7.8246, 7.6597, 9.3936



16.9370, 8.1835, 25.5438



0.4171, 0.2011, 0.6477

Previews

White Background



This preview shows how the XYZ color 24.9506, 24.0837, 40.8697 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 24.9506, 24.0837, 40.8697 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 24.9506, 24.0837, 40.8697

Background



This preview shows how black text looks on a background with the XYZ color 24.9506, 24.0837, 40.8697.



This preview shows how white text looks on a background with the XYZ color 24.9506, 24.0837,

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

24.9506, 24.0837, 40.8697

Protanopia

24.1957, 24.0753, 41.8998

Deuteranopia

24.6186, 24.1129, 40.8928



Tritanopia

22.9055, 24.0704, 30.6329

Trichromacy



Original Color

24.9506, 24.0837, 40.8697

Protanomaly

24.4091, 23.9940, 41.3750

Deuteranomaly

24.7728, 24.1924, 40.9001

Tritanomaly

23.5638, 24.1291, 33.9873

Monochromacy



Original Color

24.9506, 24.0837, 40.8697

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.8621, 24.3392, 31.4572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9506, 24.0837, 40.8697 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(133, 131, 169)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 169)  
}
```

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(133, 131, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 169) }
```

Border

The CSS property to change the border of an element to XYZ 24.9506, 24.0837, 40.8697 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(133, 131, 169) }
```


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

```
.border{ border-color:rgb(133, 131, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 169);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9506, 24.0837, 40.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 169) }
```

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

```
.background{ background-color: rgb(133,  
131, 169) }
```

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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