

Converting Colors

XYZ(49.9672, 50.7331, 23.9945)

Have a look what the booklet for
XYZ(49.9672, 50.7331, 23.9945)
contains.

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Color

**XYZ(50.1702, 50.9375,
24.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB875
RGB	221, 184, 117
RGB Percent	87%, 72%, 46%
CMY	0.1333, 0.2784, 0.5412
CMYK	0.00, 0.17, 0.47, 0.13
HSL	39°, 60%, 66%
HSV	39°, 47%, 87%
XYZ	50.1702, 50.9375, 24.0173
YIQ	187.4250, 43.5590, -12.9930

Conversions

Conversions Part 2

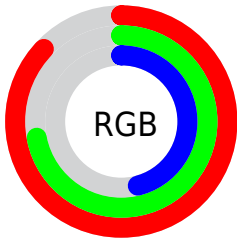
Format	Color
RYB	174, 221, 117
Decimal	14530677
CIELab	76.64, 4.77, 38.88
CIELCh	77, 39.175, 83.007
Yxy	50.9375, 0.4010, 0.4071
Android (android.graphics.Color)	4292720757 (0xFFDDB875)
YUV	187.4250, -34.7195, 29.4453
Hunter-Lab	71.3705, 0.5789, 30.0073

Details

The XYZ color **50.1702, 50.9375, 24.0173** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **31.9425, 32.1124, 72.9213**, and the grayscale version is **47.6482, 50.1296, 54.5912**.

A 20% lighter version of the original color is **79.6558, 86.4825, 50.5247**, and **24.4393, 24.5304, 8.7569** is the 20% darker color. If you saturate the color by 10%, you get **47.4335, 47.3039, 17.4337**, and if you desaturate by 10%, it is **53.3069, 54.8802, 32.2486**.

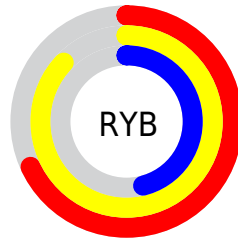
Distribution



Red (87%)

Green (72%)

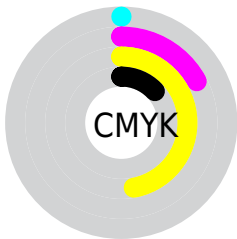
Blue (46%)



Red (68%)

Yellow (87%)

Blue (46%)

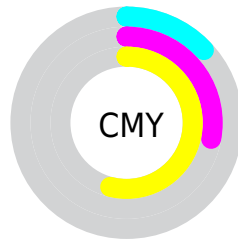


Cyan (0%)

Magenta (17%)

Yellow (47%)

Black (13%)



Cyan (13%)

Magenta (28%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1702, 50.9375, 24.0173 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 50.1702, 50.9375, 24.0173 by changing the saturation by 10% instead.

50.1702, 50.9375,
24.0173

50.1702, 50.9375,
24.0173

377.7721,
390.3209, 286.1973

35.7670, 36.1589,
15.1341

89.6173, 91.5624,
51.0026

24.4236, 24.5569,
8.7659

115.3919,
118.1774, 69.9418

15.7746, 15.7473,
4.4941

145.6878,
149.5067, 93.0702

9.4546, 9.3455,
1.9001

180.8701,
185.9347, 120.8062

5.0983, 4.9672,
0.4928

221.3044,
227.8457, 153.5683

2.3404, 2.2280,
0.0000

267.3559,

0.8152, 0.7352,

275.6241, 191.7752

0.0000

319.3900,
329.6544, 235.8454

■ 0.0000, 0.0000,
0.0000

■ 50.1702, 50.9375,
24.0173

■ 50.1702, 50.9375,
24.0173

■ 47.4335, 47.3039,
17.4337

■ 53.3069, 54.8802,
32.2486

■ 45.0697, 43.9604,
12.3788

■ 56.8611, 59.1354,
42.2291

■ 43.0538, 40.8966,
8.7223

■ 60.8535, 63.7157,
54.0558

■ 41.3550, 38.0976,
6.3107

■ 65.3023, 68.6304,
67.8176

■ 39.9338, 35.5452,
4.9429

■ 70.2246, 73.8886,
83.5975

■ 39.5493, 34.8331,
4.6390

■ 75.6364, 79.4987,
101.4739

■ 78.7457, 84.3460,
106.7378

■ 81.0980, 89.0507,
107.5219

■ 83.5517, 93.9581,
108.3398

Harmonies

Analogous

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



57.5048, 50.9375, 28.8359



50.1702, 50.9375, 24.0173



43.0561, 50.9375, 25.7412

Triad

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



50.1702, 50.9375, 24.0173



36.4474, 50.9375, 72.9901



60.7108, 50.9375, 83.8201

Complementary

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



50.1702, 50.9375, 24.0173



31.9425, 32.1124, 72.9213

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.



54.2001, 50.9375, 102.1436



50.1702, 50.9375, 24.0173



40.3367, 50.9375, 94.8590

Square

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



50.1702, 50.9375, 24.0173



35.6037, 50.9375, 50.6407



46.7004, 50.9375, 106.6288



63.9799, 50.9375, 60.5805

Rectangle

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



50.1702, 50.9375, 24.0173



39.3311, 50.9375, 30.6522



46.7004, 50.9375, 106.6288



58.7988, 50.9375, 90.9772

Sweetspot

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



50.1714, 50.9399, 24.0183



85.9075, 90.0738, 80.0833



42.1080, 30.4663, 34.7309



18.1107, 18.9699, 16.2950



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



50.1714, 50.9399, 24.0183



65.8170, 65.7167, 24.6033



54.8369, 66.2819, 26.7337



13.7523, 14.4439, 13.7887



23.0853, 20.4562, 2.7317



1.5757, 1.4856, 0.2037

Inverse Universe

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



31.9425, 32.1124, 72.9213



37.8542, 36.8711, 99.7295



28.7524, 22.7583, 71.2839



12.7158, 13.3714, 16.5629



9.2870, 6.4434, 40.4926



0.6814, 0.5768, 2.6499

Previews

White Background



This preview shows how the XYZ color 50.1702, 50.9375, 24.0173 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 50.1702, 50.9375, 24.0173 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 ✓ Pass

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

XYZ 50.1702, 50.9375, 24.0173

Background



This preview shows how black text looks on a background with the XYZ color 50.1702, 50.9375, 24.0173.

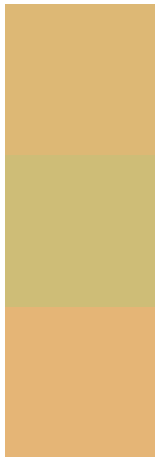


This preview shows how white text looks on a background with the XYZ color 50.1702, 50.9375,

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

50.1702, 50.9375, 24.0173

Protanopia

46.9810, 50.8489, 24.7914

Deuteranopia

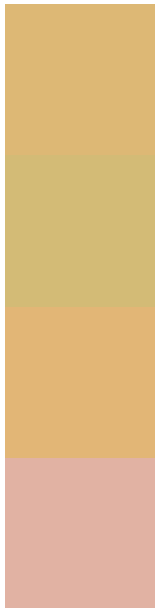
52.1070, 51.0138, 24.2398



Tritanopia

56.5102, 50.8280, 54.9765

Trichromacy



Original Color

50.1702, 50.9375, 24.0173

Protanomaly

47.9043, 50.6975, 24.4003

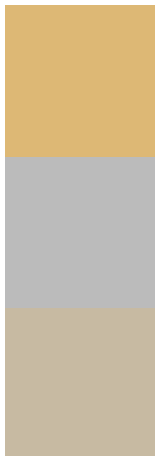
Deuteranomaly

51.3620, 50.9327, 24.2635

Tritanomaly

53.5826, 50.4927, 41.5723

Monochromacy



Original Color

50.1702, 50.9375, 24.0173

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6337, 49.8686, 41.2974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1702, 50.9375, 24.0173 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(221, 184, 117)` looks like.

```
.text, #text, p{  
    color:rgb(221, 184, 117)  
}
```

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(221, 184, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 184, 117) }
```

Border

The CSS property to change the border of an element to XYZ 50.1702, 50.9375, 24.0173 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(221, 184, 117) }
```


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

```
.border{ border-color:rgb(221, 184, 117) }
```

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

Here you see how a box with a 4 pixel rgb(221, 184, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 184, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 184, 117);  
box-shadow:4px 4px 4px 4px rgb(221, 184,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1702, 50.9375, 24.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 184, 117) }
```

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

```
.background{ background-color: rgb(221,  
184, 117) }
```

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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