

Converting Colors

XYZ(50.9117, 52.9160, 23.9845)

Have a look what the booklet for
XYZ(50.9117, 52.9160, 23.9845)
contains.

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Color

**XYZ(50.8652, 52.8718,
24.0474)**

Conversions

Conversions Part 1

Format	Color
Hex	DCBD74
RGB	220, 189, 116
RGB Percent	86%, 74%, 45%
CMY	0.1373, 0.2588, 0.5451
CMYK	0.00, 0.14, 0.47, 0.14
HSL	42°, 60%, 66%
HSV	42°, 47%, 86%
XYZ	50.8652, 52.8718, 24.0474
YIQ	189.9470, 41.9090, -16.1310

Conversions

Conversions Part 2

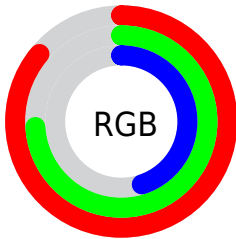
Format	Color
RYB	160, 220, 116
Decimal	14466420
CIELab	77.80, 1.64, 40.83
CIElCh	78, 40.863, 87.707
Yxy	52.8718, 0.3981, 0.4138
Android (android.graphics.Color)	4292656500 (0xFFDCBD74)
YUV	189.9470, -36.4559, 26.3565
Hunter-Lab	72.7130, -2.3810, 31.2909

Details

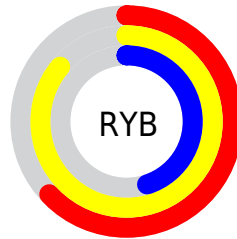
The XYZ color **50.8652, 52.8718, 24.0474** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **30.5541, 29.7467, 71.8413**, and the grayscale version is **49.1006, 51.6576, 56.2552**.

A 20% lighter version of the original color is **81.0538, 89.4294, 50.5257**, and **24.8918, 25.7882, 8.8199** is the 20% darker color. If you saturate the color by 10%, you get **48.3557, 49.6640, 17.6277**, and if you desaturate by 10%, it is **53.7441, 56.3333, 32.0864**.

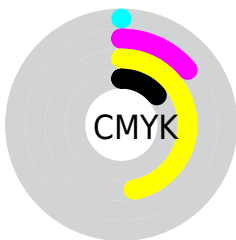
Distribution



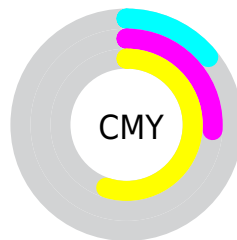
- Red (86%)
- Green (74%)
- Blue (45%)



- Red (63%)
- Yellow (86%)
- Blue (45%)



- Cyan (0%)
- Magenta (14%)
- Yellow (47%)
- Black (14%)



- Cyan (14%)
- Magenta (26%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8652, 52.8718, 24.0474 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 50.8652, 52.8718, 24.0474 by changing the saturation by 10% instead.

■ 50.8652, 52.8718,
24.0474

■ 50.8652, 52.8718,
24.0474

380.4361,
397.7931, 286.3543

■ 36.3219, 37.7004,
15.1563

■ 90.6397, 94.4157,
51.0523

■ 24.8542, 25.7503,
8.7813

■ 116.6016,
121.5570, 70.0032

■ 16.0966, 16.6369,
4.5039

■ 147.1004,
153.4571, 93.1444

■ 9.6838, 9.9760,
1.9057

182.5016,
190.5004, 120.8945

■ 5.2505, 5.3830,
0.4963

223.1704,
233.0712, 153.6720

■ 2.4312, 2.4737,
0.0000

269.4721,

■ 0.8607, 0.8634,

281.5540, 191.8954

0.0000

321.7723,
336.3332, 235.9834

■ 0.0000, 0.0000,
0.0000

■ 50.8652, 52.8718,
24.0474

■ 50.8652, 52.8718,
24.0474

■ 48.3557, 49.6640,
17.6277

■ 53.7441, 56.3333,
32.0864

■ 46.1892, 46.6921,
12.7093

■ 57.0089, 60.0506,
41.8449

■ 44.3415, 43.9471,
9.1634


■ 60.6798, 64.0349,
53.4189


■ 42.7828, 41.4156,
6.8379

■ 64.7741, 68.2945,
66.8963


■ 41.4739, 39.0806,
5.5298


■ 69.3081, 72.8371,
82.3590

 41.1425, 38.4704,
5.2571

 74.2972, 77.6700,
99.8845

 77.2454, 81.7961,
106.3247

 79.1563, 85.6179,
106.9617

 81.1371, 89.5796,
107.6220

Harmonies

Analogous

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



58.8410, 52.8718, 27.9981



50.8652, 52.8718, 24.0474



43.4963, 52.8718, 26.9321

Triad

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



50.8652, 52.8718, 24.0474



37.9341, 52.8718, 80.3348



64.2652, 52.8718, 84.1708

Complementary

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



50.8652, 52.8718, 24.0474



30.5541, 29.7467, 71.8413

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.



57.6757, 52.8718, 105.4898



50.8652, 52.8718, 24.0474



42.5442, 52.8718, 102.8967

Square

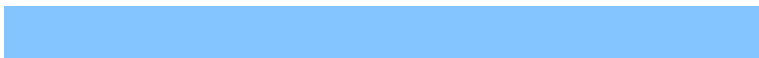
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.8652, 52.8718, 24.0474



36.5139, 52.8718, 55.8399



49.6459, 52.8718, 113.1064



67.0673, 52.8718, 59.3322

Rectangle

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



50.8652, 52.8718, 24.0474



39.8036, 52.8718, 32.9133



49.6459, 52.8718, 113.1064



62.3878, 52.8718, 92.2094

Sweetspot

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



50.8665, 52.8743, 24.0485



86.5250, 91.3088, 80.2891



41.0431, 29.8198, 31.2793



18.2617, 19.2720, 16.3454



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.



50.8665, 52.8743, 24.0485



67.4995, 69.3062, 24.4720



52.3520, 64.6168, 26.2367



13.8175, 14.5744, 13.8105



24.2476, 22.7809, 3.1192



1.6447, 1.6235, 0.2267

Inverse Universe

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



30.5541, 29.7467, 71.8413



35.8230, 33.2846, 99.1442



29.4479, 22.9602, 70.5897



12.6534, 13.2466, 16.5421



8.7953, 5.4600, 40.3287



0.6439, 0.5020, 2.6374

Previews

White Background



This preview shows how the XYZ color 50.8652, 52.8718, 24.0474 looks on a white background.

Color Contrast Check

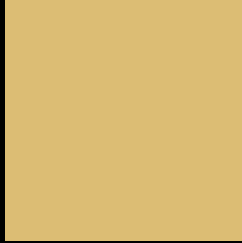
Large Text (above 18pt) WCAG AA × Fail

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 50.8652, 52.8718, 24.0474 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 50.8652, 52.8718, 24.0474

Background



This preview shows how black text looks on a background with the XYZ color 50.8652, 52.8718, 24.0474.



This preview shows how white text looks on a background with the XYZ color 50.8652, 52.8718,

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

50.8652, 52.8718, 24.0474

Protanopia

48.6389, 52.6853, 24.4354

Deuteranopia

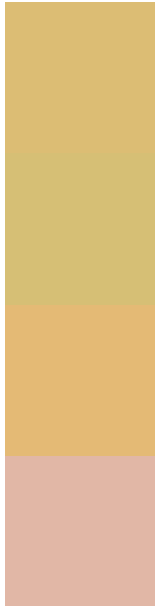
53.9556, 52.8890, 24.1944



Tritanopia

58.0538, 53.0315, 58.2153

Trichromacy



Original Color

50.8652, 52.8718, 24.0474

Protanomaly

49.5732, 52.8421, 24.4164

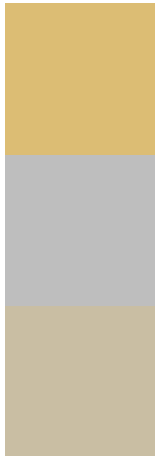
Deuteranomaly

52.7647, 52.8961, 24.2586

Tritanomaly

54.8678, 52.6277, 43.3427

Monochromacy



Original Color

50.8652, 52.8718, 24.0474

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1117, 51.8888, 42.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8652, 52.8718, 24.0474 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(220, 189, 116)` looks like.

```
.text, #text, p{  
    color:rgb(220, 189, 116)  
}
```

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(220, 189, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 189, 116) }
```

Border

The CSS property to change the border of an element to XYZ 50.8652, 52.8718, 24.0474 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(220, 189, 116) }
```


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

```
.border{ border-color:rgb(220, 189, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 189, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 189, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 189, 116);  
box-shadow:4px 4px 4px 4px rgb(220, 189,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8652, 52.8718, 24.0474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 189, 116) }
```

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

```
.background{ background-color: rgb(220,  
189, 116) }
```

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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