

Converting Colors

XYZ(50.0210, 51.8156, 23.2846)

Have a look what the booklet for
XYZ(50.0210, 51.8156, 23.2846)
contains.

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Color

**XYZ(50.0210, 51.8156,
23.2846)**

Conversions

Conversions Part 1

Format	Color
Hex	DBBB72
RGB	219, 187, 114
RGB Percent	86%, 73%, 45%
CMY	0.1412, 0.2666, 0.5529
CMYK	0.00, 0.15, 0.48, 0.14
HSL	42°, 59%, 65%
HSV	42°, 48%, 86%
XYZ	50.0210, 51.8156, 23.2846
YIQ	188.2460, 42.5050, -15.9190

Conversions

Conversions Part 2

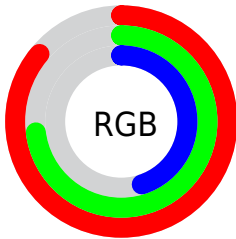
Format	Color
RYB	160, 219, 114
Decimal	14400370
CIELab	77.17, 2.09, 41.04
CIELCh	77, 41.091, 87.089
Yxy	51.8156, 0.3998, 0.4141
Android (android.graphics.Color)	4292590450 (0xFFDDBB72)
YUV	188.2460, -36.6033, 26.9713
Hunter-Lab	71.9831, -1.9308, 31.2094

Details

The XYZ color **50.0210, 51.8156, 23.2846** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **30.0042, 29.2486, 71.0818**, and the grayscale version is **48.1257, 50.6320, 55.1382**.

A 20% lighter version of the original color is **80.2656, 88.1512, 49.3436**, and **24.3508, 25.1017, 8.4122** is the 20% darker color. If you saturate the color by 10%, you get **47.5380, 48.6115, 17.0261**, and if you desaturate by 10%, it is **52.8707, 55.2756, 31.1388**.

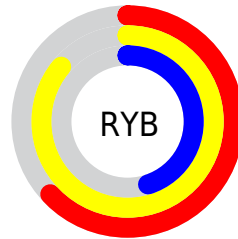
Distribution



Red (86%)

Green (73%)

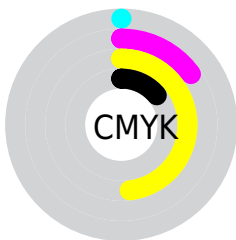
Blue (45%)



Red (63%)

Yellow (86%)

Blue (45%)

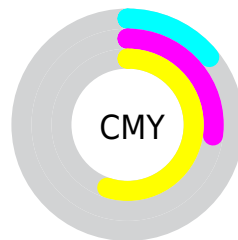


Cyan (0%)

Magenta (15%)

Yellow (48%)

Black (14%)



Cyan (14%)


Magenta (27%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0210, 51.8156, 23.2846 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 50.0210, 51.8156, 23.2846 by changing the saturation by 10% instead.


 50.0210, 51.8156,
23.2846


 50.0210, 51.8156,
23.2846


377.1987,
393.7243, 282.3526

 35.6480, 36.8581,
14.5965


 89.3976, 92.8592,
49.7893

 24.3313, 25.0977,
8.3932


 115.1319,
119.7142, 68.4430

 15.7056, 16.1498,
4.2562


 145.3840,
151.3037, 91.2557

 9.4056, 9.6302,
1.7669

180.5192,
188.0123, 118.6459

 5.0659, 5.1545,
0.4060

220.9029,
230.2242, 151.0322

 2.3211, 2.3382,
0.0000

266.9005,

 0.8054, 0.7938,

278.3239, 188.8330

0.0000

318.8773,
332.6958, 232.4669

■ 0.0000, 0.0000,
0.0000

■ 50.0210, 51.8156,
23.2846

■ 50.0210, 51.8156,
23.2846

■ 47.5380, 48.6115,
17.0261

■ 52.8707, 55.2756,
31.1388

■ 45.3955, 45.6454,
12.2457

■ 56.1038, 58.9937,
40.6884

■ 43.5693, 42.9083,
8.8149


■ 59.7402, 62.9811,
52.0290

■ 42.0294, 40.3867,
6.5812


■ 63.7973, 67.2461,
65.2477

■ 40.7342, 38.0623,
5.3291


■ 68.2913, 71.7966,
80.4262

 40.4851, 37.6035,
5.1244

 73.2376, 76.6399,
97.6412

 76.6060, 80.9653,
106.1980

 78.5387, 84.8308,
106.8423

 80.5438, 88.8410,
107.5107

Harmonies

Analogous

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



57.9282, 51.8156, 27.3181



50.0210, 51.8156, 23.2846



42.6809, 51.8156, 25.9844

Triad

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



50.0210, 51.8156, 23.2846



36.9789, 51.8156, 78.5194



63.0619, 51.8156, 83.3635

Complementary

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



50.0210, 51.8156, 23.2846



30.0042, 29.2486, 71.0818

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.



56.4589, 51.8156, 104.4092



50.0210, 51.8156, 23.2846



41.4834, 51.8156, 101.1295

Square

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



50.0210, 51.8156, 23.2846



35.6415, 51.8156, 54.2478



48.4853, 51.8156, 111.6449



65.9425, 51.8156, 58.6461

Rectangle

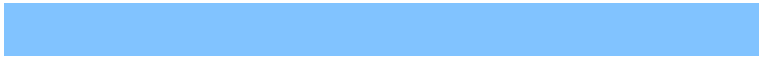
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0210, 51.8156, 23.2846



38.9860, 51.8156, 31.7761



48.4853, 51.8156, 111.6449



61.1718, 51.8156, 91.3289

Sweetspot

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



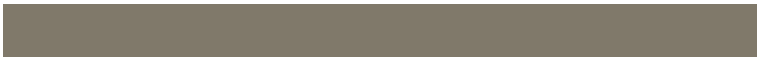
50.0223, 51.8180, 23.2856



86.4531, 91.1650, 80.2651



40.5171, 29.2096, 31.2098



18.2441, 19.2368, 16.3395



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.



50.0223, 51.8180, 23.2856



66.9292, 68.3838, 23.6094



52.1216, 64.1229, 25.5501



13.8100, 14.5593, 13.8079



24.1065, 22.4986, 3.0721



1.6364, 1.6069, 0.2239

Inverse Universe

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



30.0042, 29.2486, 71.0818



35.3808, 32.8627, 99.0861



28.5164, 22.1566, 69.7914



12.6606, 13.2610, 16.5445



8.8473, 5.5640, 40.3461



0.6480, 0.5102, 2.6388

Previews

White Background



This preview shows how the XYZ color 50.0210, 51.8156, 23.2846 looks on a white background.

Color Contrast Check

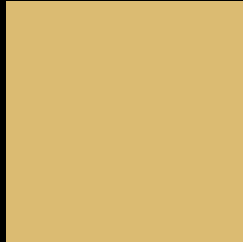
Large Text (above 18pt) WCAG AA × Fail

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 50.0210, 51.8156, 23.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

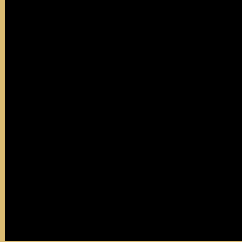
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0210, 51.8156, 23.2846

Background



This preview shows how black text looks on a background with the XYZ color 50.0210, 51.8156, 23.2846.



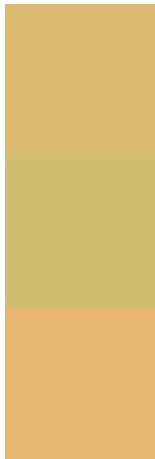
This preview shows how white text looks on a background with the XYZ color 50.0210, 51.8156,

23.2846.

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

50.0210, 51.8156, 23.2846

Protanopia

47.7377, 51.9093, 23.7231

Deuteranopia

52.7775, 51.6826, 23.4137



Tritanopia

56.6884, 51.7711, 56.2952

Trichromacy



Original Color

50.0210, 51.8156, 23.2846

Protanomaly

48.6593, 52.0618, 23.7040

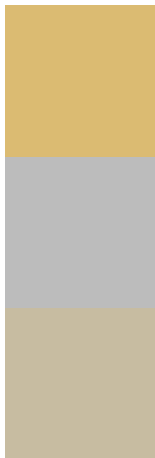
Deuteranomaly

51.9136, 51.8497, 23.4915

Tritanomaly

53.5662, 51.3801, 41.7444

Monochromacy



Original Color

50.0210, 51.8156, 23.2846

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9694, 50.6818, 40.9725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0210, 51.8156, 23.2846 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(219, 187, 114)` looks like.

```
.text, #text, p{  
    color:rgb(219, 187, 114)  
}
```

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(219, 187, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 187, 114) }
```

Border

The CSS property to change the border of an element to XYZ 50.0210, 51.8156, 23.2846 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(219, 187, 114) }
```


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

```
.border{ border-color:rgb(219, 187, 114) }
```

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

Here you see how a box with a 4 pixel rgb(219, 187, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 187, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 187, 114);  
box-shadow:4px 4px 4px 4px rgb(219, 187,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0210, 51.8156, 23.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 187, 114) }
```

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

```
.background{ background-color: rgb(219,  
187, 114) }
```

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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