

Converting Colors

XYZ(49.3210, 51.9609, 21.2623)

Have a look what the booklet for
XYZ(49.3210, 51.9609, 21.2623)
contains.

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Color

**XYZ(49.2523, 51.7797,
21.3085)**

Conversions

Conversions Part 1

Format	Color
Hex	D9BC6B
RGB	217, 188, 107
RGB Percent	85%, 74%, 42%
CMY	0.1490, 0.2627, 0.5804
CMYK	0.00, 0.13, 0.51, 0.15
HSL	44°, 59%, 64%
HSV	44°, 51%, 85%
XYZ	49.2523, 51.7797, 21.3085
YIQ	187.4370, 43.2850, -19.0430

Conversions

Conversions Part 2

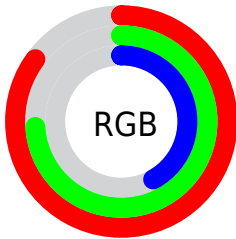
Format	Color
R _{YB}	146, 217, 107
Decimal	14269547
CIE Lab	77.15, 0.10, 44.49
CIE LCh	77, 44.485, 89.870
Yxy	51.7797, 0.4026, 0.4232
Android (android.graphics.Color)	4292459627 (0xFFD9BC6B)
YUV	187.4370, -39.6554, 25.9268
Hunter-Lab	71.9581, -3.7510, 32.8135

Details

The XYZ color **49.2523, 51.7797, 21.3085** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.3916, 25.7428, 69.1705**, and the grayscale version is **47.6822, 50.1654, 54.6301**.

A 20% lighter version of the original color is **79.9358, 88.4994, 46.1267**, and **23.8997, 25.0969, 7.4554** is the 20% darker color. If you saturate the color by 10%, you get **47.0534, 48.9855, 15.6326**, and if you desaturate by 10%, it is **51.7886, 54.7902, 28.5113**.

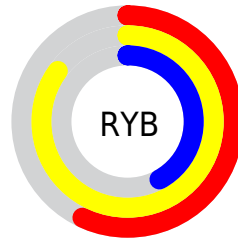
Distribution



Red (85%)

Green (74%)

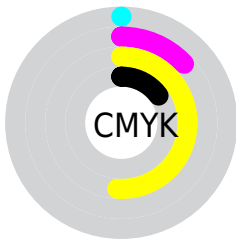
Blue (42%)



Red (57%)

Yellow (85%)

Blue (42%)

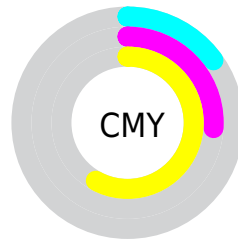


Cyan (0%)

Magenta (13%)

Yellow (51%)

Black (15%)



Cyan (15%)

Magenta (26%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2523, 51.7797, 21.3085 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 49.2523, 51.7797, 21.3085 by changing the saturation by 10% instead.

■ 49.2523, 51.7797,
21.3085

■ 49.2523, 51.7797,
21.3085

374.2352,
393.5855, 271.7482

■ 35.0350, 36.8295,
13.1563

■ 88.2645, 92.8063,
46.4878

■ 23.8565, 25.0755,
7.4042

■ 113.7902,
119.6514, 64.3520

■ 15.3514, 16.1333,
3.6339

■ 143.8160,
151.2304, 86.2906

■ 9.1543, 9.6185,
1.4267

■ 178.7074,
187.9275, 112.7221

■ 4.8999, 5.1468,
0.1624

218.8296,
230.1272, 144.0650

■ 2.2228, 2.3336,
0.0000

264.5481,

■ 0.7547, 0.7914,

278.2138, 180.7380

0.0000

316.2282,
332.5718, 223.1596

■ 0.0000, 0.0000,
0.0000

■ 49.2523, 51.7797,
21.3085

■ 49.2523, 51.7797,
21.3085

■ 47.0534, 48.9855,
15.6326

■ 51.7886, 54.7902,
28.5113

■ 45.1659, 46.3905,
11.3651

■ 54.6787, 58.0187,
37.3411

■ 43.5652, 43.9859,
8.3753

■ 57.9422, 61.4758,
47.8933

■ 42.2212, 41.7588,
6.5063

■ 61.5962, 65.1692,
60.2549

■ 41.1516, 39.8245,
5.5180

■ 65.6566, 69.1060,
74.5070

■ 70.1383, 73.2930,
90.7258

■ 74.4207, 77.4829,
105.6410

■ 76.0209, 80.6831,
106.1744

■ 77.6735, 83.9884,
106.7253

Harmonies

Analogous

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



57.8917, 51.7797, 24.7917



49.2523, 51.7797, 21.3085



41.5093, 51.7797, 24.7301

Triad

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



49.2523, 51.7797, 21.3085



36.3488, 51.7797, 83.0783



64.7624, 51.7797, 83.3178

Complementary

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



49.2523, 51.7797, 21.3085



27.3916, 25.7428, 69.1705

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.



57.8199, 51.7797, 107.5450



49.2523, 51.7797, 21.3085



41.4518, 51.7797, 107.3810

Square

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



49.2523, 51.7797, 21.3085



34.6021, 51.7797, 56.2727



49.1778, 51.7797, 117.4037



67.4529, 51.7797, 56.4860

Rectangle

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



49.2523, 51.7797, 21.3085



37.7373, 51.7797, 31.2534



49.1778, 51.7797, 117.4037



62.8119, 51.7797, 92.2869

Sweetspot

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



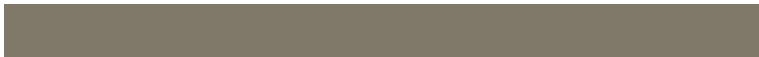
49.2535, 51.7821, 21.3095



86.3594, 91.5119, 78.5872



38.3408, 27.0546, 26.6188



18.2461, 19.3458, 16.0161



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.



49.2535, 51.7821, 21.3095



67.5601, 70.2622, 21.9187



49.0365, 61.8067, 23.2559



13.8567, 14.6528, 13.8235



25.0015, 24.2886, 3.3704



1.6886, 1.7113, 0.2413

Inverse Universe

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



27.3916, 25.7428, 69.1705



32.6890, 28.7862, 98.4411



27.4028, 20.4852, 68.1551



12.6164, 13.1726, 16.5297



8.5471, 4.9637, 40.2460



0.6238, 0.4618, 2.6307

Previews

White Background



This preview shows how the XYZ color 49.2523, 51.7797, 21.3085 looks on a white background.

Color Contrast Check

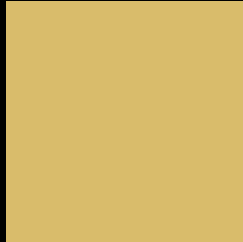
Large Text (above 18pt) WCAG AA × Fail

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 49.2523, 51.7797, 21.3085 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 49.2523, 51.7797, 21.3085

Background



This preview shows how black text looks on a background with the XYZ color 49.2523, 51.7797, 21.3085.



This preview shows how white text looks on a background with the XYZ color 49.2523, 51.7797,

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

49.2523, 51.7797, 21.3085

Protanopia

47.6321, 51.8996, 21.6945

Deuteranopia

52.7134, 51.6944, 21.3871



Tritanopia

56.4862, 51.6541, 56.8623

Trichromacy



Original Color

49.2523, 51.7797, 21.3085

Protanomaly

48.2716, 51.9067, 21.6622

Deuteranomaly

51.5258, 51.6946, 21.4497

Tritanomaly

53.2852, 51.5587, 40.8616

Monochromacy



Original Color

49.2523, 51.7797, 21.3085

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.2306, 50.0150, 39.5123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2523, 51.7797, 21.3085 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(217, 188, 107)` looks like.

```
.text, #text, p{  
    color:rgb(217, 188, 107)  
}
```

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(217, 188, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 188, 107) }
```

Border

The CSS property to change the border of an element to XYZ 49.2523, 51.7797, 21.3085 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(217, 188, 107) }
```


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

```
.border{ border-color:rgb(217, 188, 107) }
```

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

Here you see how a box with a 4 pixel rgb(217, 188, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 188, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 188, 107);  
box-shadow:4px 4px 4px 4px rgb(217, 188,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2523, 51.7797, 21.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 188, 107) }
```

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

```
.background{ background-color: rgb(217,  
188, 107) }
```

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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