

Converting Colors

XYZ(49.0423, 49.5564, 20.9466)

Have a look what the booklet for
XYZ(49.0423, 49.5564, 20.9466)
contains.

XYZ(48.9965, 49.4814, 20.8784)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9965, 49.4814,
20.8784)**

Conversions

Conversions Part 1

Format	Color
Hex	DDB56B
RGB	221, 181, 107
RGB Percent	87%, 71%, 42%
CMY	0.1333, 0.2902, 0.5804
CMYK	0.00, 0.18, 0.52, 0.13
HSL	39°, 63%, 64%
HSV	39°, 52%, 87%
XYZ	48.9965, 49.4814, 20.8784
YIQ	184.5240, 47.5940, -14.5340

Conversions

Conversions Part 2

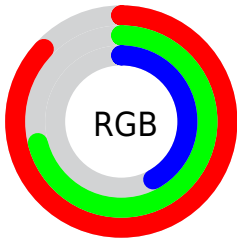
Format	Color
R _{YB}	169, 221, 107
Decimal	14529899
CIE Lab	75.75, 5.44, 42.86
CIE LCh	76, 43.203, 82.772
Yxy	49.4814, 0.4105, 0.4146
Android (android.graphics.Color)	4292719979 (0xFFDDB56B)
YUV	184.5240, -38.2193, 31.9895
Hunter-Lab	70.3430, 1.2315, 31.6423

Details

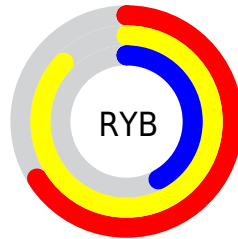
The XYZ color **48.9965, 49.4814, 20.8784** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.5479, 29.2126, 72.4877**, and the grayscale version is **46.0376, 48.4352, 52.7459**.

A 20% lighter version of the original color is **77.8694, 84.3664, 45.4379**, and **23.5619, 23.5203, 7.1689** is the 20% darker color. If you saturate the color by 10%, you get **46.4465, 46.0104, 15.0069**, and if you desaturate by 10%, it is **51.9338, 53.2514, 28.3459**.

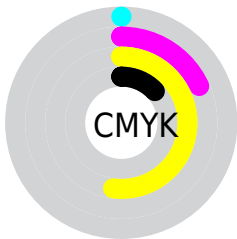
Distribution



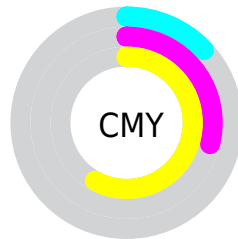
- Red (87%)
- Green (71%)
- Blue (42%)



- Red (66%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (18%)
- Yellow (52%)
- Black (13%)





- Cyan (13%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9965, 49.4814, 20.8784 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 48.9965, 49.4814, 20.8784 by changing the saturation by 10% instead.


 48.9965, 49.4814,
20.8784


 48.9965, 49.4814,
20.8784


373.2457,
384.6344, 269.3913


 34.8312, 35.0015,
12.8448


 87.8870, 89.4060,
45.7632


 23.6988, 23.6640,
7.1923


 113.3430,
115.6195, 63.4515

 15.2339, 15.0846,
3.5024


 143.2932,
146.5131, 85.1951

 9.0711, 8.8788,
1.3565

 178.1030,
182.4710, 111.4125

 4.8450, 4.6622,
0.1075

218.1378,
223.8777, 142.5223

 2.1905, 2.0505,
0.0000

263.7630,

 0.7377, 0.6365,

271.1175, 178.9430

0.0000

315.3438,
324.5750, 221.0932

■ 0.0000, 0.0000,
0.0000

■ 48.9965, 49.4814,
20.8784

■ 48.9965, 49.4814,
20.8784

■ 46.4465, 46.0104,
15.0069

■ 51.9338, 53.2514,
28.3459

■ 44.2557, 42.8194,
10.6061

■ 55.2768, 57.3245,
37.5156

■ 42.3973, 39.8971,
7.5370

■ 59.0469, 61.7132,
48.4883

■ 40.8380, 37.2280,
5.6318

■ 63.2628, 66.4270,
61.3558

■ 39.7113, 35.1572,
4.6930

■ 67.9421, 71.4751,
76.2037

■ 73.1010, 76.8661,
93.1122

■ 77.6571, 82.1689,
106.3750

■ 79.9291, 86.7129,
107.1323

■ 82.2991, 91.4529,
107.9223

Harmonies

Analogous

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



56.9852, 49.4814, 25.8181



48.9965, 49.4814, 20.8784



41.3133, 49.4814, 22.5644

Triad

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



48.9965, 49.4814, 20.8784



34.2023, 49.4814, 72.8330



60.4017, 49.4814, 85.2376

Complementary

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



48.9965, 49.4814, 20.8784



29.5479, 29.2126, 72.4877

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.



53.2525, 49.4814, 105.6880



48.9965, 49.4814, 20.8784



38.3085, 49.4814, 97.2220

Square

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



48.9965, 49.4814, 20.8784



33.3371, 49.4814, 48.5119



45.1180, 49.4814, 110.6048



64.0384, 49.4814, 59.6234

Rectangle

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



48.9965, 49.4814, 20.8784



37.3209, 49.4814, 27.5357



45.1180, 49.4814, 110.6048



58.2933, 49.4814, 93.2100

Sweetspot

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



48.9977, 49.4838, 20.8794



85.3593, 89.5117, 78.2538



40.4856, 28.0515, 31.6313



18.0041, 18.8618, 15.9354



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.



48.9977, 49.4838, 20.8794



63.9394, 63.2140, 20.1164



53.9084, 65.8675, 23.7830



13.7578, 14.4550, 13.7905



23.1790, 20.6435, 2.7629



1.5814, 1.4968, 0.2056

Inverse Universe

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



29.5479, 29.2126, 72.4877



34.2569, 32.3315, 99.0428



26.3637, 19.8886, 70.8558



12.7105, 13.3607, 16.5611



9.2415, 6.3525, 40.4775



0.6780, 0.5701, 2.6488

Previews

White Background



This preview shows how the XYZ color 48.9965, 49.4814, 20.8784 looks on a white background.

Color Contrast Check

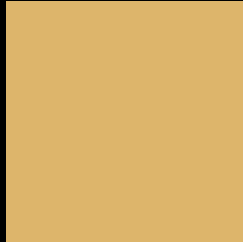
Large Text (above 18pt) WCAG AA × Fail

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 48.9965, 49.4814, 20.8784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

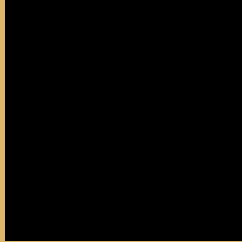
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9965, 49.4814, 20.8784

Background



This preview shows how black text looks on a background with the XYZ color 48.9965, 49.4814, 20.8784.



This preview shows how white text looks on a background with the XYZ color 48.9965, 49.4814,

20.8784.

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

48.9965, 49.4814, 20.8784

Protanopia

45.7075, 49.6239, 21.6373

Deuteranopia

50.6221, 49.4175, 21.0578



Tritanopia

55.5044, 49.5018, 52.5283

Trichromacy



Original Color

48.9965, 49.4814, 20.8784

Protanomaly

46.9197, 49.6295, 21.2939

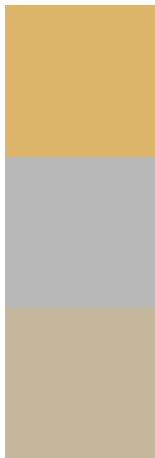
Deuteranomaly

49.8782, 49.3305, 21.0802

Tritanomaly

52.4671, 49.1018, 38.6106

Monochromacy



Original Color

48.9965, 49.4814, 20.8784

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.5150, 48.7211, 38.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9965, 49.4814, 20.8784 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, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(221, 181, 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(221, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 181, 107) }
```

Border

The CSS property to change the border of an element to XYZ 48.9965, 49.4814, 20.8784 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, 181, 107) }
```


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

```
.border{ border-color:rgb(221, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(221, 181,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9965, 49.4814, 20.8784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 181, 107) }
```

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

```
.background{ background-color: rgb(221,  
181, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor