

Converting Colors

XYZ(50.4041, 49.8872, 21.5963)

Have a look what the booklet for
XYZ(50.4041, 49.8872, 21.5963)
contains.

XYZ(50.4998, 49.9371, 21.7290)	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(50.4998, 49.9371,
21.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	E2B46E
RGB	226, 180, 110
RGB Percent	89%, 71%, 43%
CMY	0.1137, 0.2941, 0.5686
CMYK	0.00, 0.20, 0.51, 0.11
HSL	36°, 67%, 66%
HSV	36°, 51%, 89%
XYZ	50.4998, 49.9371, 21.7290
YIQ	185.7740, 49.8860, -12.0180

Conversions

Conversions Part 2

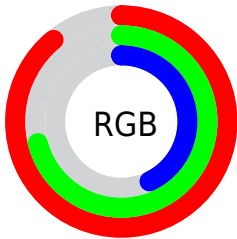
Format	Color
RYB	186, 226, 110
Decimal	14857326
CIELab	76.03, 8.28, 41.80
CIELCh	76, 42.611, 78.790
Yxy	49.9371, 0.4134, 0.4088
Android (android.graphics.Color)	4293047406 (0xFFE2B46E)
YUV	185.7740, -37.3566, 35.2782
Hunter-Lab	70.6662, 3.8947, 31.2354

Details

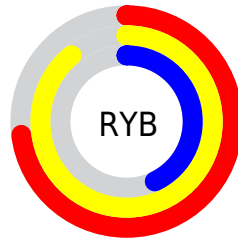
The XYZ color **50.4998, 49.9371, 21.7290** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0458, 32.5816, 76.5512**, and the grayscale version is **46.7296, 49.1632, 53.5387**.

A 20% lighter version of the original color is **77.8463, 83.8952, 46.7408**, and **24.5534, 23.8298, 7.5805** is the 20% darker color. If you saturate the color by 10%, you get **47.6721, 46.0063, 15.4707**, and if you desaturate by 10%, it is **53.7606, 54.2322, 29.6807**.

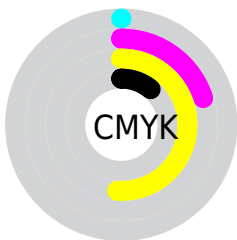
Distribution



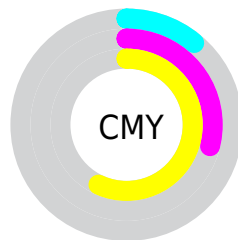
- Red (89%)
- Green (71%)
- Blue (43%)



- Red (73%)
- Yellow (89%)
- Blue (43%)



- Cyan (0%)
- Magenta (20%)
- Yellow (51%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4998, 49.9371, 21.7290 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 50.4998, 49.9371, 21.7290 by changing the saturation by 10% instead.


 50.4998, 49.9371,
21.7290


 50.4998, 49.9371,
21.7290


379.0370,
386.4199, 274.0349


 36.0301, 35.3634,
13.4615


 90.1024, 90.0817,
47.1941


 24.6277, 23.9430,
7.6126


 115.9659,
116.4214, 65.2288

 15.9271, 15.2913,
3.7639


 146.3582,
147.4518, 87.3563

 9.5631, 9.0241,
1.4967

 181.6445,
183.5575, 113.9952

 5.1703, 4.7569,
0.2155

222.1901,
225.1227, 145.5639

 2.3833, 2.1053,
0.0000

268.3606,

 0.8368, 0.6676,

272.5320, 182.4811

0.0000

320.5211,
326.1696, 225.1653

■ 0.0000, 0.0000,
0.0000

■ 50.4998, 49.9371,
21.7290

■ 50.4998, 49.9371,
21.7290

■ 47.6721, 46.0063,
15.4707

■ 53.7606, 54.2322,
29.6807

■ 45.2475, 42.4184,
10.7738

■ 57.4750, 58.8973,
39.4384

■ 43.1969, 39.1601,
7.4914

■ 61.6659, 63.9470,
51.1081

■ 41.4845, 36.2134,
5.4468

■ 66.3538, 69.3926,
64.7870

■ 40.2231, 33.8870,
4.4209

■ 71.5576, 75.2448,
80.5655

■ 77.2954, 81.5140,
98.5285

■ 81.3847, 87.3302,
107.1747

■ 84.1284, 92.8175,
108.0893

■ 85.1740, 94.9087,
108.4378

Harmonies

Analogous

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



58.2706, 49.9371, 27.6280



50.4998, 49.9371, 21.7290



42.7056, 49.9371, 22.5523

Triad

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



50.4998, 49.9371, 21.7290



34.4061, 49.9371, 69.7381



59.9253, 49.9371, 88.6398

Complementary

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



50.4998, 49.9371, 21.7290



32.0458, 32.5816, 76.5512

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.



52.5628, 49.9371, 107.2800



50.4998, 49.9371, 21.7290



38.0831, 49.9371, 94.4333

Square

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



50.4998, 49.9371, 21.7290



33.9855, 49.9371, 46.2938



44.5518, 49.9371, 109.6550



64.1037, 49.9371, 63.3414

Rectangle

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



50.4998, 49.9371, 21.7290



38.5120, 49.9371, 26.8775



44.5518, 49.9371, 109.6550



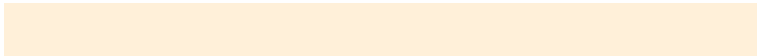
57.7050, 49.9371, 96.1622

Sweetspot

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



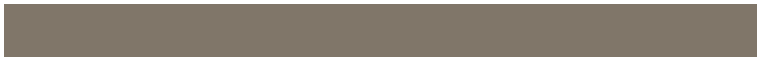
50.5010, 49.9395, 21.7300



84.8430, 88.4790, 78.0817



42.9749, 29.7349, 35.1052



17.8794, 18.6125, 15.8939



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.



50.5010, 49.9395, 21.7300



62.3114, 59.9579, 19.5737



57.8593, 69.8748, 25.1901



14.3919, 15.0698, 14.4570



23.0663, 19.5705, 2.5618



1.6855, 1.5299, 0.2065

Inverse Universe

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



32.0458, 32.5816, 76.5512



35.4685, 34.7547, 99.4467



27.2733, 20.7518, 74.5194



13.3957, 14.1306, 17.4091



10.0070, 7.4836, 41.9654



0.7793, 0.6900, 2.9374

Previews

White Background



This preview shows how the XYZ color 50.4998, 49.9371, 21.7290 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 50.4998, 49.9371, 21.7290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

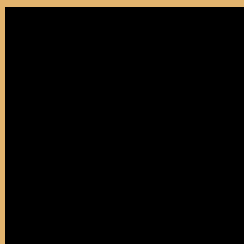
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4998, 49.9371, 21.7290

Background



This preview shows how black text looks on a background with the XYZ color 50.4998, 49.9371, 21.7290.



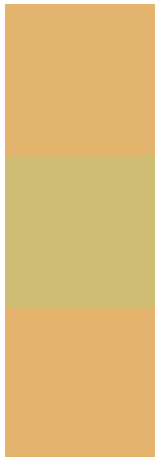
This preview shows how white text looks on a background with the XYZ color 50.4998, 49.9371,

21.7290.

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

50.4998, 49.9371, 21.7290

Protanopia

46.1407, 50.1378, 22.8685

Deuteranopia

50.9295, 49.8600, 21.6915



Tritanopia

56.8189, 49.9101, 51.9863

Trichromacy



Original Color

50.4998, 49.9371, 21.7290

Protanomaly

47.7142, 50.0139, 22.4681

Deuteranomaly

50.6131, 49.6969, 21.6767

Tritanomaly

53.8550, 49.5294, 38.6200

Monochromacy



Original Color

50.4998, 49.9371, 21.7290

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.3994, 49.1671, 39.3397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4998, 49.9371, 21.7290 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(226, 180, 110)` looks like.

```
.text, #text, p{  
    color:rgb(226, 180, 110)  
}
```

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(226, 180, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 180, 110) }
```

Border

The CSS property to change the border of an element to XYZ 50.4998, 49.9371, 21.7290 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(226, 180, 110) }
```


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

```
.border{ border-color:rgb(226, 180, 110) }
```

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

Here you see how a box with a 4 pixel rgb(226, 180, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 180, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 180, 110);  
box-shadow:4px 4px 4px 4px rgb(226, 180,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4998, 49.9371, 21.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 180, 110) }
```

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

```
.background{ background-color: rgb(226,  
180, 110) }
```

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