

Converting Colors

XYZ(51.6073, 48.7751, 22.2448)

Have a look what the booklet for
XYZ(51.6073, 48.7751, 22.2448)
contains.

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Color

**XYZ(51.7210, 48.7880,
22.3138)**

Conversions

Conversions Part 1

Format	Color
Hex	E9AE71
RGB	233, 174, 113
RGB Percent	91%, 68%, 44%
CMY	0.0863, 0.3176, 0.5569
CMYK	0.00, 0.25, 0.52, 0.09
HSL	31°, 73%, 68%
HSV	31°, 52%, 91%
XYZ	51.7210, 48.7880, 22.3138
YIQ	184.6870, 54.7450, -6.4630

Conversions

Conversions Part 2

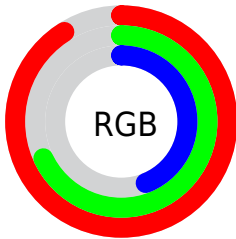
Format	Color
R _Y B	229, 233, 113
Decimal	15314545
CIE Lab	75.32, 14.59, 39.53
CIE LCh	75, 42.138, 69.744
Yxy	48.7880, 0.4211, 0.3972
Android (android.graphics.Color)	4293504625 (0xFFE9AE71)
YUV	184.6870, -35.3417, 42.3705
Hunter-Lab	69.8484, 9.9401, 29.9531

Details

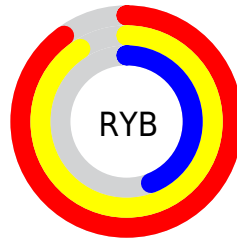
The XYZ color **51.7210, 48.7880, 22.3138** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.2699, 38.8974, 82.6870**, and the grayscale version is **46.1100, 48.5113, 52.8289**.

A 20% lighter version of the original color is **76.1422, 80.0518, 47.5148**, and **25.5359, 23.3919, 7.8718** is the 20% darker color. If you saturate the color by 10%, you get **48.4547, 44.0921, 15.5632**, and if you desaturate by 10%, it is **55.5152, 54.0009, 30.9024**.

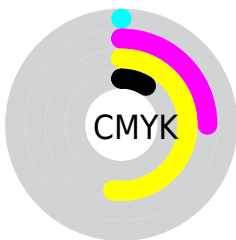
Distribution



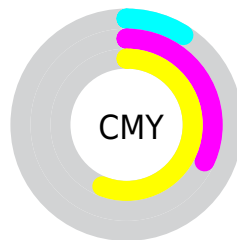
- Red (91%)
- Green (68%)
- Blue (44%)



- Red (90%)
- Yellow (91%)
- Blue (44%)



- Cyan (0%)
- Magenta (25%)
- Yellow (52%)
- Black (9%)




- Cyan (9%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7210, 48.7880, 22.3138 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 51.7210, 48.7880, 22.3138 by changing the saturation by 10% instead.


 51.7210, 48.7880,
22.3138


 51.7210, 48.7880,
22.3138


383.7002,
381.9071, 277.1874

 37.0061, 34.4513,
13.8871


 91.8963, 88.3765,
48.1729


 25.3859, 23.2405,
7.9044


 118.0874,
114.3971, 66.4425

 16.4951, 14.7712,
3.9469


 148.8347,
145.0812, 88.8300

 9.9682, 8.6590,
1.5963

 184.5034,
180.8131, 115.7542

 5.4400, 4.5194,
0.2882

225.4590,
221.9773, 147.6335

 2.5450, 1.9682,
0.0000

272.0667,

 0.9180, 0.5889,

268.9581, 184.8864

0.0000

324.6920,
322.1399, 227.9316

■ 0.0000, 0.0000,
0.0000

■ 51.7210, 48.7880,
22.3138

■ 51.7210, 48.7880,
22.3138

■ 48.4547, 44.0921,
15.5632

■ 55.5152, 54.0009,
30.9024

■ 45.6816, 39.8860,
10.5077

■ 59.8617, 59.7420,
41.4517

■ 43.3679, 36.1504,
6.9873

■ 64.7875, 66.0310,
54.0768

■ 41.4723, 32.8606,
4.8095

■ 70.3167, 72.8844,
68.8831

■ 40.1360, 30.3872,
3.7499

■ 76.4716, 80.3176,
85.9689

■ 83.2736, 88.3454,
105.4264

■ 87.1562, 95.5477,
108.4567

■ 87.4142, 96.0636,
108.5427

Harmonies

Analogous

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



58.7911, 48.7880, 30.2520



51.7210, 48.7880, 22.3138



43.8963, 48.7880, 21.1986

Triad

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



51.7210, 48.7880, 22.3138



33.1878, 48.7880, 60.6727



56.5600, 48.7880, 93.1286

Complementary

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



51.7210, 48.7880, 22.3138



36.2699, 38.8974, 82.6870

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.



48.9381, 48.7880, 107.2212



51.7210, 48.7880, 22.3138



35.8371, 48.7880, 85.3243

Square

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



51.7210, 48.7880, 22.3138



33.7560, 48.7880, 39.6814



41.4043, 48.7880, 104.0236



61.7935, 48.7880, 69.2987

Rectangle

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



51.7210, 48.7880, 22.3138



39.3683, 48.7880, 24.0283



41.4043, 48.7880, 104.0236



54.1597, 48.7880, 99.4260

Sweetspot

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



51.7222, 48.7904, 22.3148



83.7836, 86.3603, 77.7286



47.0524, 32.1514, 43.2615



17.6243, 18.1021, 15.8088



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.



51.7222, 48.7904, 22.3148



59.1694, 53.6740, 18.5264



65.7238, 76.7936, 26.9820



15.6985, 16.3200, 15.8414



22.8985, 17.4913, 2.1693



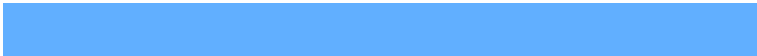
1.8944, 1.5660, 0.2024

Inverse Universe

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



36.2699, 38.8974, 82.6870



38.2263, 40.2703, 100.3659



27.4236, 21.2047, 79.7382



14.8427, 15.7718, 19.1842



11.9187, 10.4844, 45.1385



1.0320, 1.0155, 3.5765

Previews

White Background



This preview shows how the XYZ color 51.7210, 48.7880, 22.3138 looks on a white background.

Color Contrast Check

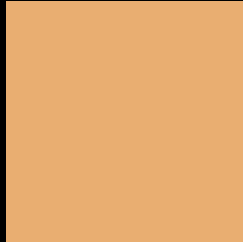
Large Text (above 18pt) WCAG AA × Fail

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 51.7210, 48.7880, 22.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

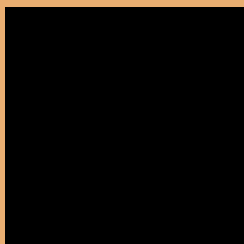
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7210, 48.7880, 22.3138

Background



This preview shows how black text looks on a background with the XYZ color 51.7210, 48.7880, 22.3138.



This preview shows how white text looks on a background with the XYZ color 51.7210, 48.7880,

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

51.7210, 48.7880, 22.3138

Protanopia

45.1860, 48.9824, 24.2125

Deuteranopia

49.6981, 48.6217, 22.0948



Tritanopia

57.3695, 48.8778, 49.0585

Trichromacy



Original Color

51.7210, 48.7880, 22.3138

Protanomaly

47.3209, 48.8630, 23.4604

Deuteranomaly

50.4449, 48.7145, 22.0733

Tritanomaly

55.0294, 48.7470, 37.5191

Monochromacy



Original Color

51.7210, 48.7880, 22.3138

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1390, 48.1075, 39.6021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7210, 48.7880, 22.3138 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(233, 174, 113)` looks like.

```
.text, #text, p{  
    color:rgb(233, 174, 113)  
}
```

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(233, 174, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 174, 113) }
```

Border

The CSS property to change the border of an element to XYZ 51.7210, 48.7880, 22.3138 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(233, 174, 113) }
```


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

```
.border{ border-color:rgb(233, 174, 113) }
```

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

Here you see how a box with a 4 pixel rgb(233, 174, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 174, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 174, 113);  
box-shadow:4px 4px 4px 4px rgb(233, 174,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7210, 48.7880, 22.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 174, 113) }
```

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

```
.background{ background-color: rgb(233,  
174, 113) }
```

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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