

# Converting Colors

XYZ(44.4181, 44.9317, 19.2911)

Have a look what the booklet for  
XYZ(44.4181, 44.9317, 19.2911)  
contains.

<b>XYZ(44.2557, 44.7153, 19.1304)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.2557, 44.7153,  
19.1304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3AD67
RGB	211, 173, 103
RGB Percent	83%, 68%, 40%
CMY	0.1726, 0.3215, 0.5961
CMYK	0.00, 0.18, 0.51, 0.17
HSL	39°, 55%, 62%
HSV	39°, 51%, 83%
XYZ	44.2557, 44.7153, 19.1304
YIQ	176.3820, 45.1180, -13.7140

# Conversions

## Conversions Part 2

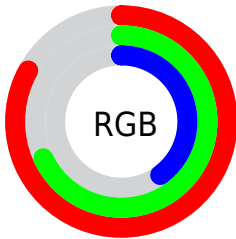
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 211, 103
Decimal	13872487
CIE Lab	72.70, 5.19, 40.92
CIE LCh	73, 41.249, 82.768
Yxy	44.7153, 0.4094, 0.4136
Android (android.graphics.Color)	4292062567 (0xFFD3AD67)
YUV	176.3820, -36.1773, 30.3600
Hunter-Lab	66.8695, 1.1136, 29.8466

# Details

The XYZ color **44.2557, 44.7153, 19.1304** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.8759, 26.6354, 65.3524**, and the grayscale version is **41.6339, 43.8021, 47.7005**.

A 20% lighter version of the original color is **74.8998, 79.1134, 42.3331**, and **20.8297, 20.8111, 6.4091** is the 20% darker color. If you saturate the color by 10%, you get **41.9436, 41.5774, 13.7777**, and if you desaturate by 10%, it is **46.9163, 48.1225, 25.9185**.

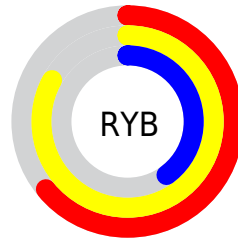
# Distribution



Red (83%)

Green (68%)

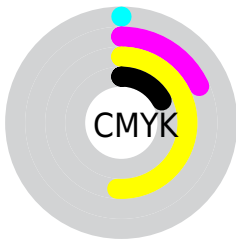
Blue (40%)



Red (64%)

Yellow (83%)

Blue (40%)

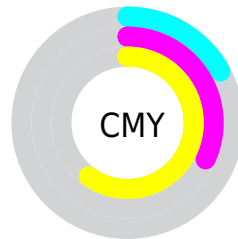


Cyan (0%)

Magenta (18%)

Yellow (51%)

Black (17%)



Cyan (17%)

Magenta (32%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2557, 44.7153, 19.1304 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 44.2557, 44.7153, 19.1304 by changing the saturation by 10% instead.



■ 44.2557, 44.7153,  
19.1304

■ 44.2557, 44.7153,  
19.1304

354.5853,  
365.6193, 259.6144

■ 31.0704, 31.2332,  
11.5868

■ 80.8463, 82.2930,  
42.7940

■ 20.8045, 20.7765,  
6.3439

■ 104.9823,  
107.1575, 59.7510

■ 13.0928, 12.9607,  
2.9831

■ 133.4993,  
136.5848, 80.6829

■ 7.5699, 7.4015,  
1.0860

■ 166.7625,  
170.9595, 106.0082

■ 3.8705, 3.7145,  
0.0000

205.1373,  
210.6659, 136.1454

■ 1.6291, 1.5151,  
0.0000

248.9892,

■ 0.4113, 0.2994,

256.0884, 171.5132

0.0000

298.6834,  
307.6114, 212.5300

■ 0.0000, 0.0000,  
0.0000

■ 44.2557, 44.7153,  
19.1304

■ 44.2557, 44.7153,  
19.1304

■ 41.9436, 41.5774,  
13.7777

■ 46.9163, 48.1225,  
25.9185

■ 39.9549, 38.6918,  
9.7494

■ 49.9418, 51.8025,  
34.2365

■ 38.2660, 36.0485,  
6.9223

■ 53.3513, 55.7666,  
44.1740

■ 36.8476, 33.6336,  
5.1483

■ 57.1612, 60.0232,  
55.8126

■ 35.7767, 31.6745,  
4.2282

■ 61.3873, 64.5805,  
69.2287

■ 66.0442, 69.4462,  
84.4937

■ 71.1458, 74.6277,  
101.6754

■ 73.8804, 79.0019,  
105.9627

■ 76.0189, 83.2790,  
106.6756

# Harmonies

## Analogous

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



51.3782, 44.7153, 23.5751



44.2557, 44.7153, 19.1304



37.3963, 44.7153, 20.6475

# Triad

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



44.2557, 44.7153, 19.1304



31.0369, 44.7153, 65.5800



54.4202, 44.7153, 76.6236

# Complementary

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



44.2557, 44.7153, 19.1304



26.8759, 26.6354, 65.3524

# 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.



48.0493, 44.7153, 94.7946



44.2557, 44.7153, 19.1304



34.7094, 44.7153, 87.2707

# Square

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



44.2557, 44.7153, 19.1304



30.2629, 44.7153, 43.8949



40.7924, 44.7153, 99.1577



57.6591, 44.7153, 53.8166



# Rectangle

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



44.2557, 44.7153, 19.1304



33.8277, 44.7153, 25.1158



40.7924, 44.7153, 99.1577



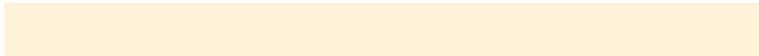
52.5419, 44.7153, 83.7108

# Sweetspot

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



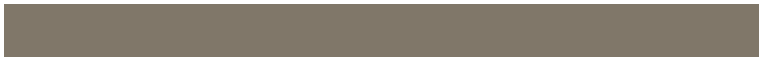
44.2568, 44.7174, 19.1313



85.3483, 89.4896, 78.2502



36.6421, 25.5209, 28.8233



18.0014, 18.8565, 15.9345



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.



44.2568, 44.7174, 19.1313



64.2322, 63.6064, 20.8094



48.6638, 59.3840, 21.7300



12.4389, 13.0684, 12.4789



21.6908, 19.3146, 2.5849



1.2859, 1.2260, 0.1689



# Inverse Universe

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



26.8759, 26.6354, 65.3524



34.8291, 33.0665, 99.1545



23.9985, 18.2139, 63.8785



11.4991, 12.0884, 14.9709



8.6706, 5.9878, 37.8913



0.5586, 0.4824, 2.1432



# Previews

## White Background



This preview shows how the XYZ color 44.2557, 44.7153, 19.1304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

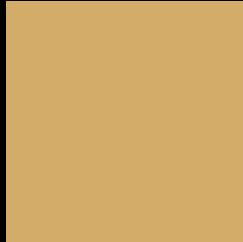
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2557, 44.7153, 19.1304 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 44.2557, 44.7153, 19.1304

## Background



This preview shows how black text looks on a background with the XYZ color 44.2557, 44.7153, 19.1304.



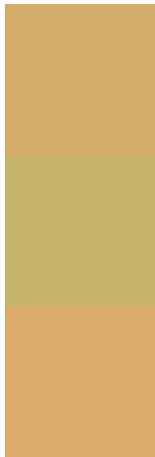
This preview shows how white text looks on a background with the XYZ color 44.2557, 44.7153,



# 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

44.2557, 44.7153, 19.1304

### Protanopia

41.4349, 44.9959, 19.8658

### Deuteranopia

45.4887, 44.5006, 19.2887



## Tritanopia

50.1247, 44.6307, 47.5677

# Trichromacy



## Original Color

44.2557, 44.7153, 19.1304

## Protanomaly

42.3082, 44.8613, 19.5259

## Deuteranomaly

45.0859, 44.5724, 19.3237

## Tritanomaly

47.3481, 44.2865, 34.9068

# Monochromacy



## Original Color

44.2557, 44.7153, 19.1304

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

41.7411, 43.6487, 34.6588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2557, 44.7153, 19.1304 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(211, 173, 103)` looks like.

```
.text, #text, p{  
    color:rgb(211, 173, 103)  
}
```

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(211, 173, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 173, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2557, 44.7153, 19.1304 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(211, 173, 103) }
```



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

```
.border{ border-color:rgb(211, 173, 103) }
```

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

Here you see how a box with a 4 pixel rgb(211, 173, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 173, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 173, 103);  
box-shadow:4px 4px 4px 4px rgb(211, 173,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2557, 44.7153, 19.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 173, 103) }
```

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

```
.background{ background-color: rgb(211,  
173, 103) }
```

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