

# Converting Colors

XYZ(40.6175, 37.7085, 22.5905)

Have a look what the booklet for  
XYZ(40.6175, 37.7085, 22.5905)  
contains.

<b>XYZ(40.6175, 37.7085, 22.5905)</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(40.6175, 37.7085,  
22.5905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF9A77
RGB	207, 154, 119
RGB Percent	81%, 60%, 47%
CMY	0.1882, 0.3961, 0.5333
CMYK	0.00, 0.26, 0.43, 0.19
HSL	24°, 48%, 64%
HSV	24°, 43%, 81%
XYZ	40.6175, 37.7085, 22.5905
YIQ	165.8570, 42.8230, 0.3510

# Conversions

## Conversions Part 2

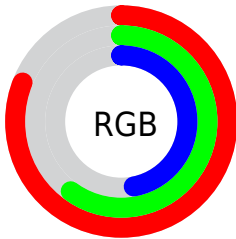
Format	Color
R <sub>Y</sub> B	207, 177, 119
Decimal	13605495
CIE Lab	67.81, 15.38, 26.09
CIE LCh	68, 30.289, 59.477
Yxy	37.7085, 0.4025, 0.3737
Android (android.graphics.Color)	4291795575 (0xFFCF9A77)
YUV	165.8570, -23.1005, 36.0824
Hunter-Lab	61.4072, 10.6052, 21.1735

# Details

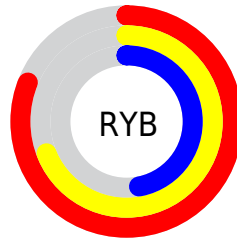
The XYZ color **40.6175, 37.7085, 22.5905** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.6222, 37.9306, 64.5806**, and the grayscale version is **36.2708, 38.1597, 41.5559**.

A 20% lighter version of the original color is **71.1466, 69.3120, 48.1568**, and **18.7182, 16.7220, 8.0355** is the 20% darker color. If you saturate the color by 10%, you get **37.5556, 33.3622, 16.0902**, and if you desaturate by 10%, it is **44.1658, 42.5942, 30.5894**.

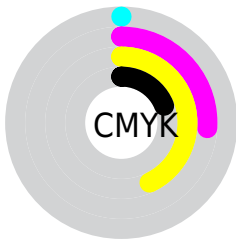
# Distribution



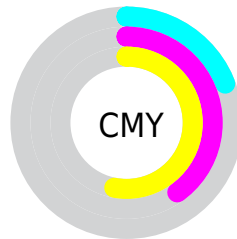
- Red (81%)
- Green (60%)
- Blue (47%)



- Red (81%)
- Yellow (69%)
- Blue (47%)



- Cyan (0%)
- Magenta (26%)
- Yellow (43%)
- Black (19%)




- Cyan (19%)
- Magenta (40%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6175, 37.7085, 22.5905 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 40.6175, 37.7085, 22.5905 by changing the saturation by 10% instead.





 40.6175, 37.7085,  
22.5905


 40.6175, 37.7085,  
22.5905

339.8094,  
336.3679, 278.6681

 28.2067, 25.7565,  
14.0890


 75.3813, 71.6611,  
48.6347

 18.6228, 16.6416,  
8.0431


 98.4650, 94.4306,  
67.0144

 11.5004, 9.9793,  
4.0344


 125.8370,  
121.5746, 89.5240

 6.4742, 5.3852,  
1.6442

157.8627,  
153.4777, 116.5819

 3.1789, 2.4750,  
0.3221

194.9074,  
190.5241, 148.6068

 1.2491, 0.8641,  
0.0000

237.3365,

 0.1446, 0.0000,

233.0984, 186.0171

0.0000

285.5154,  
281.5848, 229.2313

■ 0.0000, 0.0000,  
0.0000

■ 40.6175, 37.7085,  
22.5905

■ 40.6175, 37.7085,  
22.5905

■ 37.5556, 33.3622,  
16.0902

■ 44.1658, 42.5942,  
30.5894

■ 34.9529, 29.5296,  
10.9906

■ 48.2200, 48.0326,  
40.1719

■ 32.7838, 26.1911,  
7.1855


■ 52.8019, 54.0435,  
51.4192


■ 31.0182, 23.3231,  
4.5522


■ 57.9311, 60.6439,  
64.4061


■ 29.6210, 20.8995,  
2.9437


■ 63.6261, 67.8499,  
79.2031

 28.7751, 19.3514,  
2.2186

 69.9045, 75.6773,  
95.8764

 75.3165, 83.5543,  
106.7657

 79.1393, 91.1998,  
108.0400

 79.5421, 92.0054,  
108.1742

# Harmonies

## Analogous

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



44.2763, 37.7085, 29.6181



40.6175, 37.7085, 22.5905



35.9231, 37.7085, 20.2728

# Triad

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



40.6175, 37.7085, 22.5905



27.5602, 37.7085, 40.8229



40.4628, 37.7085, 67.8876

# Complementary

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



40.6175, 37.7085, 22.5905



33.6222, 37.9306, 64.5806

# 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.



35.7586, 37.7085, 72.6677



40.6175, 37.7085, 22.5905



28.5511, 37.7085, 55.1193

# Square

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



40.6175, 37.7085, 22.5905



28.6219, 37.7085, 29.2910



31.4541, 37.7085, 67.5586



44.1816, 37.7085, 55.6176



# Rectangle

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



40.6175, 37.7085, 22.5905



32.9180, 37.7085, 21.2093



31.4541, 37.7085, 67.5586



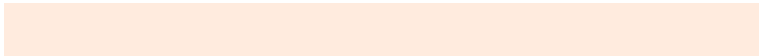
38.9317, 37.7085, 70.5287

# Sweetspot

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



40.6184, 37.7103, 22.5912



84.1235, 85.9634, 81.1607



39.8978, 29.4869, 43.2595



17.6414, 17.9246, 16.4675



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.



40.6184, 37.7103, 22.5912



60.5977, 54.0578, 26.6257



48.9677, 54.4089, 25.3743



12.1891, 12.5689, 12.3956



18.2164, 12.3657, 1.4267



1.0952, 0.8447, 0.1053



# Inverse Universe

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



33.6222, 37.9306, 64.5806



47.9196, 54.4152, 102.5853



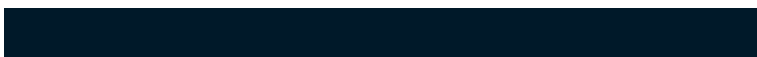
26.7560, 24.1983, 62.2919



11.7474, 12.5850, 15.0536



11.7840, 12.2146, 38.9291



0.7353, 0.8357, 2.2021



# Previews

## White Background



This preview shows how the XYZ color 40.6175, 37.7085, 22.5905 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

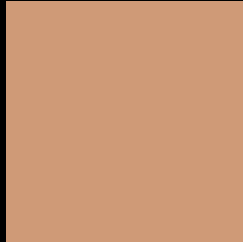
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.6175, 37.7085, 22.5905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

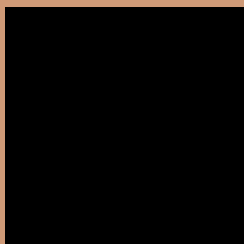
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.6175, 37.7085, 22.5905

## Background



This preview shows how black text looks on a background with the XYZ color 40.6175, 37.7085, 22.5905.



This preview shows how white text looks on a background with the XYZ color 40.6175, 37.7085,



# 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**

40.6175, 37.7085, 22.5905

**Protanopia**

35.2247, 37.7126, 24.4915

**Deuteranopia**

38.6941, 37.9746, 22.4300



## Tritanopia

43.7990, 37.5668, 38.2004

# Trichromacy



**Original Color**

40.6175, 37.7085, 22.5905

**Protanomaly**

36.9968, 37.5862, 23.7173

**Deuteranomaly**

39.4144, 37.8395, 22.3659

**Tritanomaly**

42.5955, 37.5587, 31.7926

# Monochromacy



**Original Color**

40.6175, 37.7085, 22.5905

**Achromatopsia**

36.2450, 38.1326, 41.5264

**Achromatomaly**

37.4012, 37.8343, 33.7653

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6175, 37.7085, 22.5905 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(207, 154, 119)` looks like.

```
.text, #text, p{  
    color:rgb(207, 154, 119)  
}
```

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(207, 154, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 154, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6175, 37.7085, 22.5905 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(207, 154, 119) }
```



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

```
.border{ border-color:rgb(207, 154, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 154, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 154, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 154, 119);  
box-shadow:4px 4px 4px 4px rgb(207, 154,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6175, 37.7085, 22.5905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 154, 119) }
```

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

```
.background{ background-color: rgb(207,  
154, 119) }
```

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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