

Converting Colors

XYZ(40.6174, 40.2293, 20.9509)

Have a look what the booklet for
XYZ(40.6174, 40.2293, 20.9509)
contains.

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Color

**XYZ(40.5572, 40.2773,
20.9659)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA470
RGB	202, 164, 112
RGB Percent	79%, 64%, 44%
CMY	0.2078, 0.3568, 0.5608
CMYK	0.00, 0.19, 0.45, 0.21
HSL	35°, 46%, 62%
HSV	35°, 45%, 79%
XYZ	40.5572, 40.2773, 20.9659
YIQ	169.4340, 39.3400, -8.1160

Conversions

Conversions Part 2

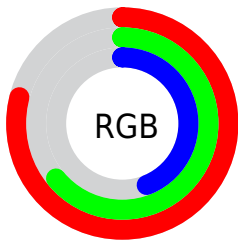
Format	Color
RYB	178, 202, 112
Decimal	13280368
CIELab	69.67, 7.17, 32.21
CIElCh	70, 32.999, 77.444
Yxy	40.2773, 0.3984, 0.3956
Android (android.graphics.Color)	4291470448 (0xFFCAA470)
YUV	169.4340, -28.3150, 28.5604
Hunter-Lab	63.4644, 3.0085, 24.8382

Details

The XYZ color **40.5572, 40.2773, 20.9659** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.2487, 29.5206, 60.0862**, and the grayscale version is **38.0503, 40.0319, 43.5947**.

A 20% lighter version of the original color is **73.2724, 74.6034, 45.6600**, and **18.5454, 18.0582, 7.2108** is the 20% darker color. If you saturate the color by 10%, you get **38.0811, 36.9277, 15.2005**, and if you desaturate by 10%, it is **43.3899, 43.9364, 28.0959**.

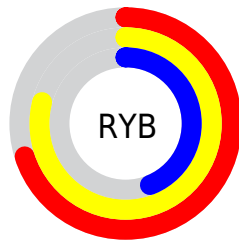
Distribution



Red (79%)

Green (64%)

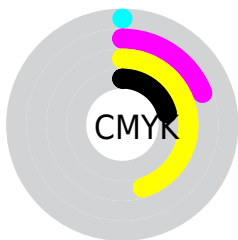
Blue (44%)



Red (70%)

Yellow (79%)

Blue (44%)

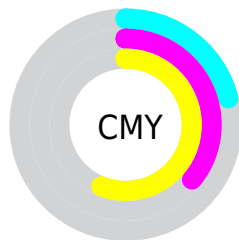


Cyan (0%)

Magenta (19%)

Yellow (45%)

Black (21%)



Cyan (21%)


Magenta (36%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5572, 40.2773, 20.9659 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 40.5572, 40.2773, 20.9659 by changing the saturation by 10% instead.


 40.5572, 40.2773,
20.9659


 40.5572, 40.2773,
20.9659


339.5608,
347.2910, 269.8723

 28.1594, 27.7548,
12.9081


 75.2902, 75.5856,
45.9108


 18.5869, 18.1409,
7.2353


 98.3561, 99.1402,
63.6350

 11.4744, 11.0512,
3.5290


 125.7088,
127.1409, 85.4184

 6.4565, 6.1013,
1.3707

 157.7136,
159.9723, 111.6795

 3.1679, 2.9068,
0.1187

194.7358,
198.0185, 142.8370

 1.2432, 1.0833,
0.0000

237.1408,

 0.1400, 0.0000,

241.6641, 179.3092

0.0000

285.2941,
291.2935, 221.5148

■ 0.0000, 0.0000,
0.0000

■ 40.5572, 40.2773,
20.9659

■ 40.5572, 40.2773,
20.9659

■ 38.0811, 36.9277,
15.2005

■ 43.3899, 43.9364,
28.0959

■ 35.9397, 33.8710,
10.7065

■ 46.5938, 47.9092,
36.6701

■ 34.1126, 31.0973,
7.3830


■ 50.1859, 52.2073,
46.7652


■ 32.5756, 28.5936,
5.1125


■ 54.1813, 56.8394,
58.4515


■ 31.2994, 26.3446,
3.7520


■ 58.5943, 61.8143,
71.7949

 30.6860, 25.2143,
3.2495

 63.4382, 67.1399,
86.8575

 68.7259, 72.8243,
103.6984

 71.3279, 77.6182,
105.8302

 73.7902, 82.5427,
106.6509

Harmonies

Analogous

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



45.6517, 40.2773, 25.5707



40.5572, 40.2773, 20.9659



35.2873, 40.2773, 21.3651

Triad

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



40.5572, 40.2773, 20.9659



29.3019, 40.2773, 53.2702



46.3514, 40.2773, 66.8898

Complementary

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



40.5572, 40.2773, 20.9659



28.2487, 29.5206, 60.0862

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.



41.4423, 40.2773, 78.2993



40.5572, 40.2773, 20.9659



31.7521, 40.2773, 69.2665

Square

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



40.5572, 40.2773, 20.9659



29.1127, 40.2773, 37.7705



36.0942, 40.2773, 79.2582



49.1998, 40.2773, 50.5605

Rectangle

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



40.5572, 40.2773, 20.9659



32.3751, 40.2773, 24.4126



36.0942, 40.2773, 79.2582



44.8677, 40.2773, 71.5770

Sweetspot

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



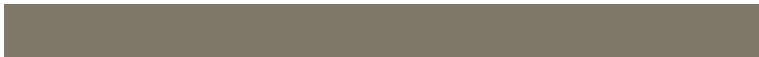
40.5582, 40.2792, 20.9667



85.8615, 89.4395, 81.7400



35.7374, 26.3796, 32.4867



18.0696, 18.7811, 16.6103



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.



40.5582, 40.2792, 20.9667



64.8023, 62.9748, 26.4615



46.8102, 55.1466, 23.5069



11.7416, 12.2722, 11.8294



19.8359, 16.4048, 2.1210



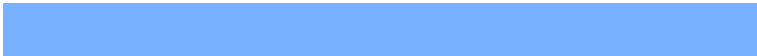
1.0974, 0.9946, 0.1341

Inverse Universe

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



28.2487, 29.5206, 60.0862



41.4786, 42.6097, 100.6461



23.9264, 19.7046, 58.4193



10.9845, 11.6095, 14.2323



9.0486, 7.1212, 36.8539



0.5414, 0.5165, 1.9261

Previews

White Background



This preview shows how the XYZ color 40.5572, 40.2773, 20.9659 looks on a white background.

Color Contrast Check

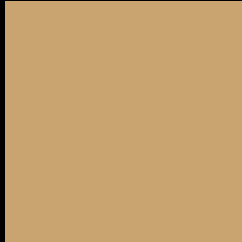
Large Text (above 18pt) WCAG AA × Fail

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 40.5572, 40.2773, 20.9659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

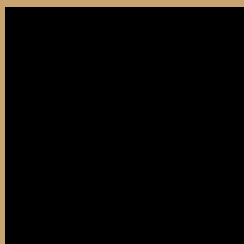
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5572, 40.2773, 20.9659

Background



This preview shows how black text looks on a background with the XYZ color 40.5572, 40.2773, 20.9659.



This preview shows how white text looks on a background with the XYZ color 40.5572, 40.2773,

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

40.5572, 40.2773, 20.9659

Protanopia

37.4768, 40.3015, 22.0234

Deuteranopia

41.1987, 40.3434, 20.9449



Tritanopia

44.9505, 40.2439, 42.9348

Trichromacy



Original Color

40.5572, 40.2773, 20.9659

Protanomaly

38.5258, 40.2965, 21.6671

Deuteranomaly

40.9237, 40.2016, 20.9320

Tritanomaly

43.0929, 40.2589, 33.5165

Monochromacy



Original Color

40.5572, 40.2773, 20.9659

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.2201, 39.5993, 33.6460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5572, 40.2773, 20.9659 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(202, 164, 112)` looks like.

```
.text, #text, p{  
    color:rgb(202, 164, 112)  
}
```

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(202, 164, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 164, 112) }
```

Border

The CSS property to change the border of an element to XYZ 40.5572, 40.2773, 20.9659 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(202, 164, 112) }
```


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

```
.border{ border-color:rgb(202, 164, 112) }
```

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

Here you see how a box with a 4 pixel rgb(202, 164, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 164, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 164, 112);  
box-shadow:4px 4px 4px 4px rgb(202, 164,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5572, 40.2773, 20.9659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 164, 112) }
```

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

```
.background{ background-color: rgb(202,  
164, 112) }
```

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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