

Converting Colors

XYZ(22.3660, 17.4994, 10.7932)

Have a look what the booklet for
XYZ(22.3660, 17.4994, 10.7932)
contains.

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Color

**XYZ(22.4001, 17.5677,
10.8046)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6055
RGB	170, 96, 85
RGB Percent	67%, 38%, 33%
CMY	0.3333, 0.6235, 0.6667
CMYK	0.00, 0.44, 0.50, 0.33
HSL	8°, 33%, 50%
HSV	8°, 50%, 67%
XYZ	22.4001, 17.5677, 10.8046
YIQ	116.8720, 47.6350, 12.2670

Conversions

Conversions Part 2

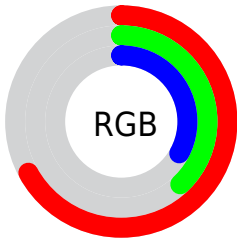
Format	Color
R_{YB}	170, 98, 85
Decimal	11165781
CIE Lab	48.97, 28.81, 19.42
CIE LCh	49, 34.746, 33.980
Yxy	17.5677, 0.4412, 0.3460
Android (android.graphics.Color)	4289355861 (0xFFAA6055)
YUV	116.8720, -15.7129, 46.5933
Hunter-Lab	41.9138, 22.0469, 14.0558

Details

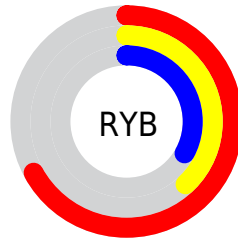
The XYZ color **22.4001, 17.5677, 10.8046** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.3993, 29.6281, 42.5155**, and the grayscale version is **16.9062, 17.7866, 19.3696**.

A 20% lighter version of the original color is **46.9580, 39.4231, 28.0561**, and **8.3794, 5.8445, 2.6939** is the 20% darker color. If you saturate the color by 10%, you get **20.5787, 14.8789, 7.2563**, and if you desaturate by 10%, it is **24.6389, 20.8315, 15.2928**.

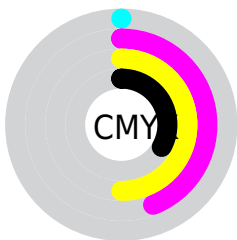
Distribution



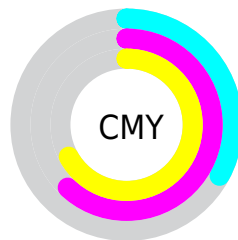
- Red (67%)
- Green (38%)
- Blue (33%)



- Red (67%)
- Yellow (38%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4001, 17.5677, 10.8046 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 22.4001, 17.5677, 10.8046 by changing the saturation by 10% instead.

■ 22.4001, 17.5677,
10.8046

■ 22.4001, 17.5677,
10.8046

257.2219,
238.4230, 207.0111

■ 14.2694, 10.6401,
5.8231

■ 46.8803, 39.2993,
27.9294

■ 8.3912, 5.8254,
2.6708

■ 63.9606, 54.8721,
40.9097

■ 4.4002, 2.7392,
0.9287

■ 84.7548, 74.0953,
57.3934

■ 1.9309, 0.9971,
0.0000

■ 109.6283, 97.3535,
77.7990

■ 0.5947, 0.0000,
0.0000

■ 138.9463,
125.0309, 102.5450

■ 0.0000, 0.0000,
0.0000

173.0744,

157.5121, 132.0500

212.3778,
195.1813, 166.7325

■ 22.4001, 17.5677,
10.8046

■ 22.4001, 17.5677,
10.8046

■ 20.5787, 14.8789,
7.2563

■ 24.6389, 20.8315,
15.2928

■ 19.1471, 12.7292,
4.5799

■ 27.3175, 24.6984,
20.7804

■ 18.0768, 11.0827,
2.6999

■ 30.4584, 29.1976,
27.3231


■ 17.3343, 9.8978,
1.5272


■ 34.0822, 34.3557,
34.9722


■ 16.8646, 9.1202,
0.8715


■ 38.2080, 40.1979,
43.7757

 16.8645, 9.1202,
0.8715

 42.8542, 46.7479,
53.7786

 48.0380, 54.0284,
65.0237

 53.7759, 62.0610,
77.5515

 60.0838, 70.8664,
91.4010

Harmonies

Analogous

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



23.6972, 17.5677, 17.9191



22.4001, 17.5677, 10.8046



19.5753, 17.5677, 7.1767

Triad

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



22.4001, 17.5677, 10.8046



11.7118, 17.5677, 12.3338



17.1327, 17.5677, 42.9477

Complementary

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



22.4001, 17.5677, 10.8046



23.3993, 29.6281, 42.5155

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.



14.1167, 17.5677, 39.9979



22.4001, 17.5677, 10.8046



11.2329, 17.5677, 20.3905

Square

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



22.4001, 17.5677, 10.8046



13.4591, 17.5677, 7.8387



12.0556, 17.5677, 30.9015



20.4179, 17.5677, 38.0114

Rectangle

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



22.4001, 17.5677, 10.8046



17.3579, 17.5677, 6.3253



12.0556, 17.5677, 30.9015



16.0542, 17.5677, 42.8531

Sweetspot

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



22.4005, 17.5686, 10.8049



58.2609, 57.2488, 55.8806



26.1784, 17.5841, 35.3101



12.6975, 12.3465, 11.8400



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.4005, 17.5686, 10.8049



37.0218, 26.5254, 12.5627



27.2222, 27.2119, 12.4121



7.6065, 7.6931, 7.8733



12.4300, 6.7574, 0.6492



0.3254, 0.2103, 0.0234

Inverse Universe

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



23.3993, 29.6281, 42.5155



38.9993, 50.8563, 76.7627



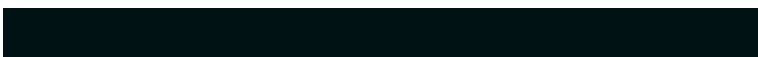
17.4315, 17.6926, 40.5262



7.6635, 8.3639, 9.6288



13.1550, 17.7701, 30.7121



0.3423, 0.4768, 0.7546

Previews

White Background



This preview shows how the XYZ color 22.4001, 17.5677, 10.8046 looks on a white background.

Color Contrast Check

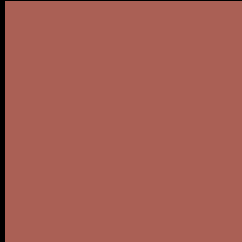
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.4001, 17.5677, 10.8046 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 × Fail

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

XYZ 22.4001, 17.5677, 10.8046

Background



This preview shows how black text looks on a background with the XYZ color 22.4001, 17.5677, 10.8046.



This preview shows how white text looks on a background with the XYZ color 22.4001, 17.5677,

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

22.4001, 17.5677, 10.8046

Protanopia

16.6938, 17.8158, 13.1486

Deuteranopia

17.9646, 17.6865, 10.4496



Tritanopia

23.1463, 17.6029, 14.4897

Trichromacy



Original Color

22.4001, 17.5677, 10.8046

Protanomaly

18.3415, 17.3553, 12.2807

Deuteranomaly

19.2930, 17.4166, 10.5285

Tritanomaly

22.9524, 17.6686, 13.0271

Monochromacy



Original Color

22.4001, 17.5677, 10.8046

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1718, 17.1914, 15.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4001, 17.5677, 10.8046 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(170, 96, 85)` looks like.

```
.text, #text, p{  
    color:rgb(170, 96, 85)  
}
```

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(170, 96, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 96, 85) }
```

Border

The CSS property to change the border of an element to XYZ 22.4001, 17.5677, 10.8046 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(170, 96, 85) }
```


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

```
.border{ border-color:rgb(170, 96, 85) }
```

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

Here you see how a box with a 4 pixel rgb(170, 96, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 96, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 96, 85);  
box-shadow:4px 4px 4px 4px rgb(170, 96,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4001, 17.5677, 10.8046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 96, 85) }
```

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

```
.background{ background-color: rgb(170, 96,  
85) }
```

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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