

Converting Colors

XYZ(22.0301, 20.0911, 17.3738)

Have a look what the booklet for
XYZ(22.0301, 20.0911, 17.3738)
contains.

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Color

**XYZ(22.0821, 20.1596,
17.4792)**

Conversions

Conversions Part 1

Format	Color
Hex	99736E
RGB	153, 115, 110
RGB Percent	60%, 45%, 43%
CMY	0.4000, 0.5490, 0.5686
CMYK	0.00, 0.25, 0.28, 0.40
HSL	7°, 17%, 52%
HSV	7°, 28%, 60%
XYZ	22.0821, 20.1596, 17.4792
YIQ	125.7920, 24.2530, 6.5010

Conversions

Conversions Part 2

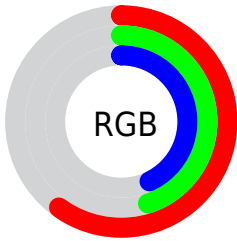
Format	Color
R_{YB}	153, 116, 110
Decimal	10056558
CIE _{Lab}	52.02, 14.20, 8.57
CIE _{LCh}	52, 16.587, 31.126
Yxy	20.1596, 0.3698, 0.3376
Android (android.graphics.Color)	4288246638 (0xFF99736E)
YUV	125.7920, -7.7855, 23.8614
Hunter-Lab	44.8994, 9.2145, 8.3482

Details

The XYZ color **22.0821, 20.1596, 17.4792** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.7698, 26.7939, 34.1087**, and the grayscale version is **19.7809, 20.8110, 22.6632**.

A 20% lighter version of the original color is **46.3527, 43.6560, 40.1658**, and **8.2435, 7.1288, 5.4989** is the 20% darker color. If you saturate the color by 10%, you get **19.8897, 16.9948, 12.9874**, and if you desaturate by 10%, it is **24.6455, 23.8361, 22.8049**.

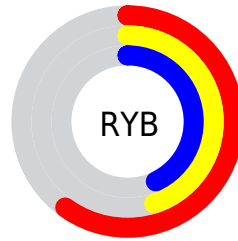
Distribution



Red (60%)

Green (45%)

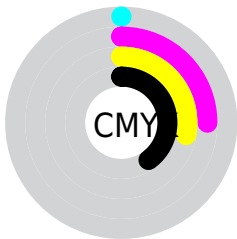
Blue (43%)



Red (60%)

Yellow (45%)

Blue (43%)

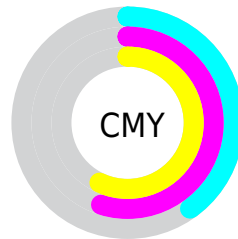


Cyan (0%)

Magenta (25%)

Yellow (28%)

Black (40%)



Cyan (40%)

Magenta (55%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0821, 20.1596, 17.4792 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 22.0821, 20.1596, 17.4792 by changing the saturation by 10% instead.

■ 22.0821, 20.1596,
17.4792

■ 22.0821, 20.1596,
17.4792

255.5990,
252.7778, 250.0557

■ 14.0342, 12.5111,
10.4112

■ 46.3595, 43.6846,
39.9497

■ 8.2263, 7.0928,
5.5633

■ 63.3197, 60.3299,
56.1894

■ 4.2931, 3.5202,
2.5169

■ 83.9813, 80.7429,
76.3232

■ 1.8693, 1.4090,
0.8491

■ 108.7098,
105.3081, 100.7699

■ 0.5589, 0.2233,
0.0000

137.8705,
134.4098, 129.9480

■ 0.0000, 0.0000,
0.0000

171.8286,

168.4323, 164.2759

210.9497,
207.7602, 204.1723

■ 22.0821, 20.1596,
17.4792

■ 22.0821, 20.1596,
17.4792

■ 19.8897, 16.9948,
12.9874

■ 24.6455, 23.8361,
22.8049

■ 18.0496, 14.3163,
9.2859

■ 27.5945, 28.0426,
29.0023

■ 16.5438, 12.1008,
6.3293

■ 30.9446, 32.8000,
36.1086

■ 15.3518, 10.3219,
4.0669

■ 34.7102, 38.1272,
44.1585

■ 14.4513, 8.9505,
2.4419

■ 38.9049, 44.0423,
53.1847

■ 13.8165, 7.9542,
1.3880

■ 43.5417, 50.5625,
63.2184

■ 13.4095, 7.2920,
0.7840

■ 48.6329, 57.7043,
74.2894

■ 13.3500, 7.1986,
0.6858

■ 54.1906, 65.4836,
86.4265

■ 60.2261, 73.9156,
99.6569

Harmonies

Analogous

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



22.6001, 20.1596, 21.7679



22.0821, 20.1596, 17.4792



20.7748, 20.1596, 14.7627

Triad

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



22.0821, 20.1596, 17.4792



16.4520, 20.1596, 17.7529



19.2251, 20.1596, 32.6416

Complementary

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



22.0821, 20.1596, 17.4792



22.7698, 26.7939, 34.1087

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.



17.6332, 20.1596, 31.1584



22.0821, 20.1596, 17.4792



16.0900, 20.1596, 22.1339

Square

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



22.0821, 20.1596, 17.4792



17.5287, 20.1596, 14.9036



16.5098, 20.1596, 27.1256



20.8919, 20.1596, 30.9279

Rectangle

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



22.0821, 20.1596, 17.4792



19.6672, 20.1596, 13.9739



16.5098, 20.1596, 27.1256



18.6638, 20.1596, 32.4989

Sweetspot

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



22.0826, 20.1605, 17.4796



49.3880, 50.1776, 51.8754



24.1139, 20.0848, 30.9143



10.7316, 10.8324, 11.0880



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.0826, 20.1605, 17.4796



36.8953, 32.2811, 25.8565



24.7275, 25.4503, 18.3612



6.2638, 6.3327, 6.4980



11.0474, 5.9773, 0.5715



0.1784, 0.1159, 0.0130

Inverse Universe

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



22.7698, 26.7939, 34.1087



38.3374, 46.2414, 60.8769



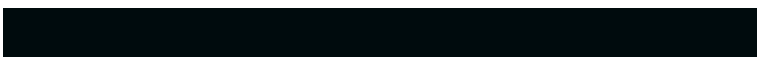
19.7956, 20.8456, 33.1174



6.3232, 6.9038, 7.9283



11.9511, 16.2989, 27.4238



0.1938, 0.2739, 0.4150

Previews

White Background



This preview shows how the XYZ color 22.0821, 20.1596, 17.4792 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0821, 20.1596, 17.4792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

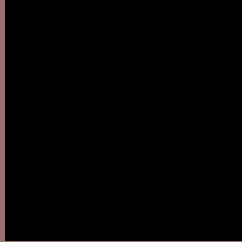
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0821, 20.1596, 17.4792

Background



This preview shows how black text looks on a background with the XYZ color 22.0821, 20.1596, 17.4792.



This preview shows how white text looks on a background with the XYZ color 22.0821, 20.1596,

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

22.0821, 20.1596, 17.4792

Protanopia

19.3554, 20.3202, 19.1217

Deuteranopia

20.6321, 20.2879, 17.2965



Tritanopia

22.7444, 20.0854, 21.0905

Trichromacy



Original Color

22.0821, 20.1596, 17.4792

Protanomaly

20.2992, 20.2703, 18.4655

Deuteranomaly

21.0928, 20.1720, 17.2499

Tritanomaly

22.6138, 20.2127, 19.8491

Monochromacy



Original Color

22.0821, 20.1596, 17.4792

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5030, 20.5094, 20.6474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0821, 20.1596, 17.4792 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(153, 115, 110)` looks like.

```
.text, #text, p{  
    color:rgb(153, 115, 110)  
}
```

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(153, 115, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 115, 110) }
```

Border

The CSS property to change the border of an element to XYZ 22.0821, 20.1596, 17.4792 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(153, 115, 110) }
```


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

```
.border{ border-color:rgb(153, 115, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 115, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 115, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 115, 110);  
box-shadow:4px 4px 4px 4px rgb(153, 115,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0821, 20.1596, 17.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 115, 110) }
```

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

```
.background{ background-color: rgb(153,  
115, 110) }
```

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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