

Converting Colors

XYZ(20.6969, 20.4820, 15.4332)

Have a look what the booklet for
XYZ(20.6969, 20.4820, 15.4332)
contains.

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Color

**XYZ(20.7372, 20.5633,
15.4465)**

Conversions

Conversions Part 1

Format	Color
Hex	907966
RGB	144, 121, 102
RGB Percent	56%, 47%, 40%
CMY	0.4353, 0.5255, 0.6000
CMYK	0.00, 0.16, 0.29, 0.44
HSL	27°, 17%, 48%
HSV	27°, 29%, 56%
XYZ	20.7372, 20.5633, 15.4465
YIQ	125.7110, 19.8070, -1.0330

Conversions

Conversions Part 2

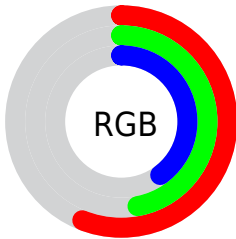
Format	Color
R_YB	144, 137, 102
Decimal	9468262
CIE _{Lab}	52.47, 5.88, 13.74
CIE _{LCh}	52, 14.947, 66.819
Yxy	20.5633, 0.3654, 0.3624
Android (android.graphics.Color)	4287658342 (0xFF907966)
YUV	125.7110, -11.6895, 16.0395
Hunter-Lab	45.3468, 2.2717, 11.5468

Details

The XYZ color **20.7372, 20.5633, 15.4465** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.8469, 19.5050, 29.2098**, and the grayscale version is **19.7672, 20.7966, 22.6475**.

A 20% lighter version of the original color is **43.9820, 44.1928, 36.3490**, and **7.5863, 7.3681, 4.6368** is the 20% darker color. If you saturate the color by 10%, you get **19.1650, 18.4641, 11.6999**, and if you desaturate by 10%, it is **22.5129, 22.8707, 19.8735**.

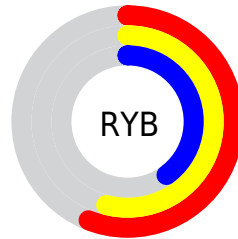
Distribution



Red (56%)

Green (47%)

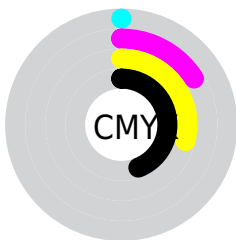
Blue (40%)



Red (56%)

Yellow (54%)

Blue (40%)

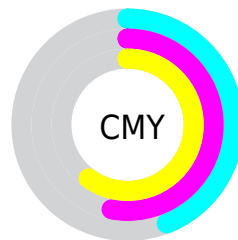


Cyan (0%)

Magenta (16%)

Yellow (29%)

Black (44%)



Cyan (44%)

Magenta (53%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7372, 20.5633, 15.4465 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 20.7372, 20.5633, 15.4465 by changing the saturation by 10% instead.

■ 20.7372, 20.5633,
15.4465

■ 20.7372, 20.5633,
15.4465

248.6368,
254.9485, 237.7862

■ 13.0434, 12.8052,
8.9833

■ 44.1443, 44.3596,
36.3879

■ 7.5356, 7.2945,
4.6336

■ 60.5884, 61.1666,
51.7032

■ 3.8486, 3.6470,
1.9790

■ 80.6799, 81.7586,
70.8061

■ 1.6168, 1.4781,
0.5423

■ 104.7842,
106.5201, 94.1154

■ 0.4033, 0.2732,
0.0000

133.2667,
135.8354, 122.0495

■ 0.0000, 0.0000,
0.0000

166.4927,

170.0890, 155.0270

204.8276,
209.6652, 193.4664

■ 20.7372, 20.5633,
15.4465

■ 20.7372, 20.5633,
15.4465

■ 19.1650, 18.4641,
11.6999

■ 22.5129, 22.8707,
19.8735

■ 17.7864, 16.5639,
8.5980

■ 24.4983, 25.3894,
25.0115

■ 16.5929, 14.8571,
6.1038

■ 26.7011, 28.1261,
30.8910

■ 15.5750, 13.3366,
4.1759

■ 29.1284, 31.0863,
37.5400

■ 14.7217, 11.9945,
2.7676

■ 31.7866, 34.2752,
44.9853

■ 14.0207, 10.8225,
1.8247

■ 34.6822, 37.6979,
53.2524

■ 13.4454, 9.8063,
1.2186

■ 37.8212, 41.3593,
62.3654

■ 13.4007, 9.7275,
1.1713

■ 41.2095, 45.2641,
72.3477

■ 44.8526, 49.4170,
83.2216

Harmonies

Analogous

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



22.0197, 20.5633, 17.6701



20.7372, 20.5633, 15.4465



19.1943, 20.5633, 14.9625

Triad

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



20.7372, 20.5633, 15.4465



16.7420, 20.5633, 23.4150



21.3790, 20.5633, 29.9116

Complementary

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



20.7372, 20.5633, 15.4465



17.8469, 19.5050, 29.2098

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.



19.8995, 20.5633, 31.9406



20.7372, 20.5633, 15.4465



17.2626, 20.5633, 27.8833

Square

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



20.7372, 20.5633, 15.4465



16.9401, 20.5633, 19.2063



18.3990, 20.5633, 31.1533



22.4037, 20.5633, 25.9073

Rectangle

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



20.7372, 20.5633, 15.4465



18.2354, 20.5633, 15.6253



18.3990, 20.5633, 31.1533



20.9155, 20.5633, 30.8698

Sweetspot

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



20.7377, 20.5642, 15.4469



43.2024, 44.7725, 44.0965



19.9612, 16.9155, 21.6486



9.7959, 10.1274, 9.8201



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.7377, 20.5642, 15.4469



34.7197, 33.8032, 22.7831



23.5581, 26.2049, 16.3870



5.5972, 5.8008, 5.7140



11.6925, 8.5168, 1.0276



0.1333, 0.1245, 0.0170

Inverse Universe

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



17.8469, 19.5050, 29.2098



28.7652, 31.6193, 51.1251



15.4741, 14.7594, 28.4188



5.3589, 5.7136, 6.8492



6.8326, 6.6512, 23.9008



0.0874, 0.1077, 0.2359

Previews

White Background



This preview shows how the XYZ color 20.7372, 20.5633, 15.4465 looks on a white background.

Color Contrast Check

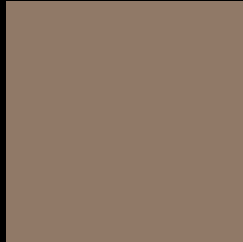
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7372, 20.5633, 15.4465 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 20.7372, 20.5633, 15.4465

Background



This preview shows how black text looks on a background with the XYZ color 20.7372, 20.5633, 15.4465.



This preview shows how white text looks on a background with the XYZ color 20.7372, 20.5633,

15.4465.

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

20.7372, 20.5633, 15.4465

Protanopia

19.3480, 20.5722, 16.0478

Deuteranopia

20.7918, 20.4120, 15.4144



Tritanopia

22.3418, 20.6922, 22.8951

Trichromacy



Original Color

20.7372, 20.5633, 15.4465

Protanomaly

19.8092, 20.6288, 15.7697

Deuteranomaly

20.7918, 20.4120, 15.4144

Tritanomaly

21.7209, 20.6126, 19.9734

Monochromacy



Original Color

20.7372, 20.5633, 15.4465

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0914, 20.6862, 19.7635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7372, 20.5633, 15.4465 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(144, 121, 102)` looks like.

```
.text, #text, p{  
    color:rgb(144, 121, 102)  
}
```

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(144, 121, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 121, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.7372, 20.5633, 15.4465 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(144, 121, 102) }
```


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

```
.border{ border-color:rgb(144, 121, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 121, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 121, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 121, 102);  
box-shadow:4px 4px 4px 4px rgb(144, 121,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7372, 20.5633, 15.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 121, 102) }
```

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

```
.background{ background-color: rgb(144,  
121, 102) }
```

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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