

Converting Colors

XYZ(21.2693, 15.4010, 13.5333)

Have a look what the booklet for
XYZ(21.2693, 15.4010, 13.5333)
contains.

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Color

**XYZ(21.3588, 15.4570,
13.6621)**

Conversions

Conversions Part 1

Format	Color
Hex	A75463
RGB	167, 84, 99
RGB Percent	65%, 33%, 39%
CMY	0.3451, 0.6706, 0.6118
CMYK	0.00, 0.50, 0.41, 0.35
HSL	349°, 33%, 49%
HSV	349°, 50%, 65%
XYZ	21.3588, 15.4570, 13.6621
YIQ	110.5270, 44.6530, 22.2610

Conversions

Conversions Part 2

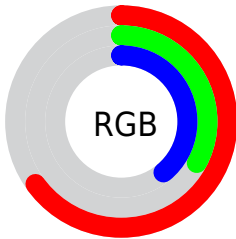
Format	Color
R_{YB}	167, 84, 99
Decimal	10966115
CIE _{Lab}	46.25, 35.65, 7.21
CIE _{LCh}	46, 36.369, 11.431
Yxy	15.4570, 0.4231, 0.3062
Android (android.graphics.Color)	4289156195 (0xFFA75463)
YUV	110.5270, -5.6828, 49.5268
Hunter-Lab	39.3154, 28.1714, 6.9175

Details

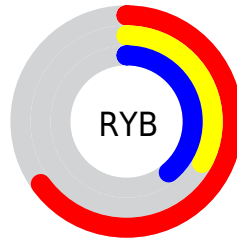
The XYZ color **21.3588, 15.4570, 13.6621** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.1432, 31.7896, 34.6240**, and the grayscale version is **14.9799, 15.7600, 17.1627**.

A 20% lighter version of the original color is **45.3605, 35.8179, 33.3769**, and **7.8967, 4.8458, 3.8873** is the 20% darker color. If you saturate the color by 10%, you get **19.6140, 12.9271, 10.1221**, and if you desaturate by 10%, it is **23.5243, 18.6508, 17.8895**.

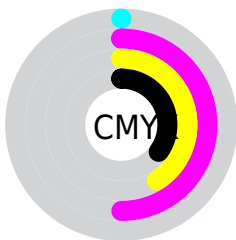
Distribution



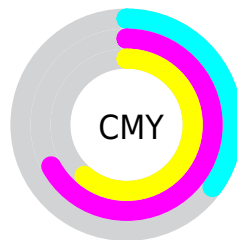
- Red (65%)
- Green (33%)
- Blue (39%)



- Red (65%)
- Yellow (33%)
- Blue (39%)



- Cyan (0%)
- Magenta (50%)
- Yellow (41%)
- Black (35%)



- Cyan (35%)
- Magenta (67%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3588, 15.4570, 13.6621 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 21.3588, 15.4570, 13.6621 by changing the saturation by 10% instead.

■ 21.3588, 15.4570,
13.6621

■ 21.3588, 15.4570,
13.6621

251.8750,
226.1159, 226.4733

■ 13.5005, 9.1407,
7.7500

■ 45.1707, 35.6529,
33.1967

■ 7.8534, 4.8331,
3.8499

■ 61.8550, 50.3014,
47.6563

■ 4.0523, 2.1497,
1.5434

■ 82.2120, 68.4960,
65.8021

■ 1.7318, 0.6923,
0.2499

■ 106.6071, 90.6213,
88.0526

■ 0.4760, 0.0000,
0.0000

■ 135.4055,
117.0615, 114.8265

■ 0.0000, 0.0000,
0.0000

168.9728,

148.2010, 146.5422

207.6742,
184.4244, 183.6183

■ 21.3588, 15.4570,
13.6621

■ 21.3588, 15.4570,
13.6621

■ 19.6140, 12.9271,
10.1221

■ 23.5243, 18.6508,
17.8895

■ 18.2608, 11.0119,
7.2317

■ 26.1345, 22.5485,
22.8375

■ 17.2682, 9.6591,
4.9509


■ 29.2132, 27.1896,
28.5381


■ 16.5997, 8.8067,
3.2345


■ 32.7820, 32.6102,
35.0212


■ 16.1837, 8.3232,
2.0215

■ 36.8612, 38.8437,
42.3149

 16.1729, 8.3101,
1.9915

 41.4699, 45.9219,
50.4461

 46.6262, 53.8747,
59.4404

 52.3475, 62.7305,
69.3221

 58.6503, 72.5167,
80.1148

Harmonies

Analogous

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



21.1127, 15.4570, 22.8871



21.3588, 15.4570, 13.6621



19.6407, 15.4570, 7.8580

Triad

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



21.3588, 15.4570, 13.6621



11.0825, 15.4570, 6.9859



12.8700, 15.4570, 38.8140

Complementary

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



21.3588, 15.4570, 13.6621



23.1432, 31.7896, 34.6240

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.



10.6524, 15.4570, 30.8786



21.3588, 15.4570, 13.6621



9.7252, 15.4570, 11.9487

Square

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



21.3588, 15.4570, 13.6621



13.5391, 15.4570, 5.0140



9.5797, 15.4570, 20.4534



15.9074, 15.4570, 39.7843

Rectangle

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



21.3588, 15.4570, 13.6621



17.7373, 15.4570, 5.8328



9.5797, 15.4570, 20.4534



12.0159, 15.4570, 36.7695

Sweetspot

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



21.3592, 15.4578, 13.6624



55.0374, 52.8158, 56.0730



23.0543, 15.7861, 38.3911



12.0328, 11.3891, 12.0316



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.3592, 15.4578, 13.6624



34.7502, 22.6114, 17.3411



23.1437, 20.0695, 11.0426



7.5844, 7.5636, 8.1287



12.3893, 6.3644, 1.5956



0.3169, 0.1610, 0.1202

Inverse Universe

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



21.3592, 15.4578, 13.6624



34.7502, 22.6114, 17.3411



20.1150, 23.6418, 40.0623



7.5844, 7.5636, 8.1287



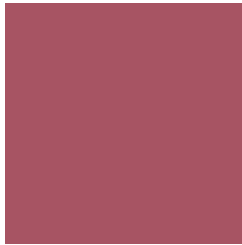
12.3893, 6.3644, 1.5956



0.3169, 0.1610, 0.1202

Previews

White Background



This preview shows how the XYZ color 21.3588, 15.4570, 13.6621 looks on a white background.

Color Contrast Check

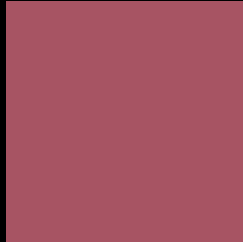
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3588, 15.4570, 13.6621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

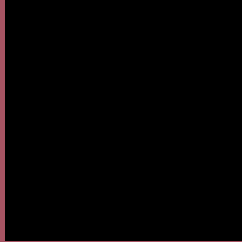
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3588, 15.4570, 13.6621

Background



This preview shows how black text looks on a background with the XYZ color 21.3588, 15.4570, 13.6621.



This preview shows how white text looks on a background with the XYZ color 21.3588, 15.4570,

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

21.3588, 15.4570, 13.6621

Protanopia

15.1121, 15.7236, 17.8613

Deuteranopia

15.8238, 15.5699, 12.9978



Tritanopia

20.8627, 15.3593, 11.7626

Trichromacy



Original Color

21.3588, 15.4570, 13.6621

Protanomaly

16.7205, 15.2154, 16.2429

Deuteranomaly

17.4635, 15.2426, 13.0880

Tritanomaly

20.9948, 15.4121, 12.4580

Monochromacy



Original Color

21.3588, 15.4570, 13.6621

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.6676, 15.1942, 15.9642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3588, 15.4570, 13.6621 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(167, 84, 99)` looks like.

```
.text, #text, p{  
    color:rgb(167, 84, 99)  
}
```

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(167, 84, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 84, 99) }
```

Border

The CSS property to change the border of an element to XYZ 21.3588, 15.4570, 13.6621 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(167, 84, 99) }
```


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

```
.border{ border-color:rgb(167, 84, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 84, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 84, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 84, 99);  
box-shadow:4px 4px 4px 4px rgb(167, 84,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3588, 15.4570, 13.6621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 84, 99) }
```

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

```
.background{ background-color: rgb(167, 84,  
99) }
```

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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