

Converting Colors

XYZ(21.8433, 15.6651, 10.4679)

Have a look what the booklet for
XYZ(21.8433, 15.6651, 10.4679)
contains.

XYZ(21.7462, 15.6130, 10.4618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7462, 15.6130,
10.4618)**

Conversions

Conversions Part 1

Format	Color
Hex	AC5355
RGB	172, 83, 85
RGB Percent	67%, 33%, 33%
CMY	0.3255, 0.6745, 0.6667
CMYK	0.00, 0.52, 0.51, 0.33
HSL	359°, 35%, 50%
HSV	359°, 52%, 67%
XYZ	21.7462, 15.6130, 10.4618
YIQ	109.8390, 52.4020, 19.4900

Conversions

Conversions Part 2

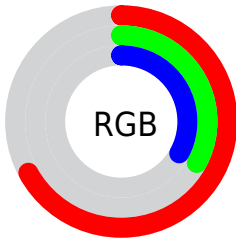
Format	Color
R_{YB}	172, 83, 85
Decimal	11293525
CIE Lab	46.46, 36.57, 16.09
CIE LCh	46, 39.958, 23.747
Yxy	15.6130, 0.4547, 0.3265
Android (android.graphics.Color)	4289483605 (0xFFAC5355)
YUV	109.8390, -12.2456, 54.5152
Hunter-Lab	39.5133, 29.0895, 11.9613

Details

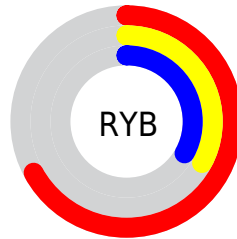
The XYZ color **21.7462, 15.6130, 10.4618** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.5763, 34.2467, 43.2945**, and the grayscale version is **14.7987, 15.5694, 16.9551**.

A 20% lighter version of the original color is **45.9921, 36.0661, 27.4591**, and **7.9971, 4.8858, 2.5290** is the 20% darker color. If you saturate the color by 10%, you get **19.9992, 13.0640, 6.9662**, and if you desaturate by 10%, it is **23.9792, 18.8800, 14.9027**.

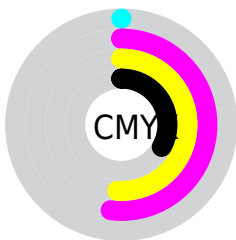
Distribution



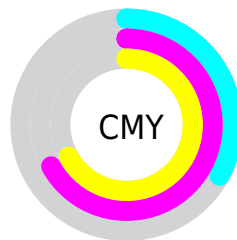
- Red (67%)
- Green (33%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (52%)
- Yellow (51%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7462, 15.6130, 10.4618 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 21.7462, 15.6130, 10.4618 by changing the saturation by 10% instead.

■ 21.7462, 15.6130,
10.4618

■ 21.7462, 15.6130,
10.4618

253.8753,
227.0472, 204.5401

■ 13.7861, 9.2507,
5.5966

■ 45.8081, 35.9250,
27.2818

■ 8.0527, 4.9051,
2.5366

■ 62.6407, 50.6436,
40.0738

■ 4.1808, 2.1917,
0.8595

■ 83.1614, 68.9163,
56.3450

■ 1.8049, 0.7155,
0.0000

■ 107.7357, 91.1277,
76.5141

■ 0.5206, 0.0000,
0.0000

■ 136.7289,
117.6621, 100.9997

■ 0.0000, 0.0000,
0.0000

170.5063,

148.9039, 130.2201

209.4333,
185.2374, 164.5941

■ 21.7462, 15.6130,
10.4618

■ 21.7462, 15.6130,
10.4618

■ 19.9992, 13.0640,
6.9662

■ 23.9792, 18.8800,
14.9027

■ 18.7009, 11.1767,
4.3468

■ 26.7294, 22.9108,
20.3497

■ 17.8107, 9.8906,
2.5263

■ 30.0267, 27.7504,
26.8595

■ 17.2801, 9.1331,
1.4134

■ 33.8985, 33.4393,
34.4844

■ 17.0344, 8.7791,
0.9075

■ 38.3703, 40.0157,
43.2731

■ 43.4662, 47.5152,
53.2716

■ 49.2088, 55.9716,
64.5231

■ 55.6196, 65.4168,
77.0691

■ 62.7192, 75.8815,
90.9489

Harmonies

Analogous

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



22.4241, 15.6130, 19.1454



21.7462, 15.6130, 10.4618



19.0998, 15.6130, 5.8510

Triad

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



21.7462, 15.6130, 10.4618



10.1239, 15.6130, 8.0856



14.1316, 15.6130, 43.6000

Complementary

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



21.7462, 15.6130, 10.4618



25.5763, 34.2467, 43.2945

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.



11.2654, 15.6130, 37.2800



21.7462, 15.6130, 10.4618



9.1932, 15.6130, 15.0210

Square

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



21.7462, 15.6130, 10.4618



12.3349, 15.6130, 4.8960



9.5763, 15.6130, 25.8150



17.6625, 15.6130, 40.8683

Rectangle

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



21.7462, 15.6130, 10.4618



16.7668, 15.6130, 4.5363



9.5763, 15.6130, 25.8150



13.0662, 15.6130, 42.4050

Sweetspot

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



21.7466, 15.6138, 10.4621



58.1720, 55.7772, 56.0158



26.9094, 17.6046, 41.0094



12.3425, 11.6815, 11.5834



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.



21.7466, 15.6138, 10.4621



35.9123, 23.1623, 11.8958



25.8498, 23.9453, 11.4441



8.0123, 8.0182, 8.3754



12.6791, 6.5342, 0.6898



0.3550, 0.1827, 0.0313

Inverse Universe

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



21.7466, 15.6138, 10.4621



35.9123, 23.1623, 11.8958



19.0593, 20.9081, 42.0608



8.0123, 8.0182, 8.3754



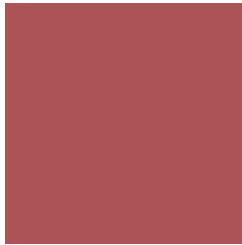
12.6791, 6.5342, 0.6898



0.3550, 0.1827, 0.0313

Previews

White Background



This preview shows how the XYZ color 21.7462, 15.6130, 10.4618 looks on a white background.

Color Contrast Check

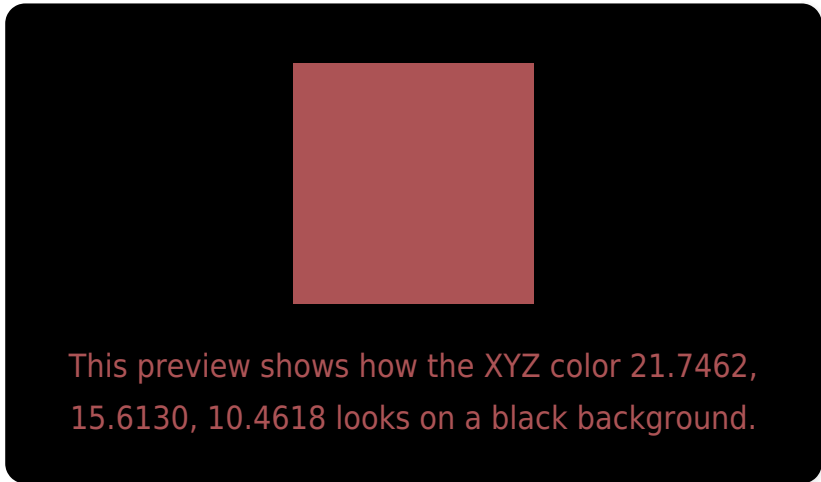
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 21.7462, 15.6130, 10.4618

Background



This preview shows how black text looks on a background with the XYZ color 21.7462, 15.6130, 10.4618.

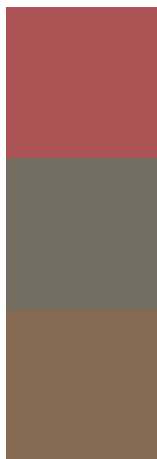


This preview shows how white text looks on a background with the XYZ color 21.7462, 15.6130,

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

21.7462, 15.6130, 10.4618

Protanopia

14.9830, 15.7467, 13.8050

Deuteranopia

15.9993, 15.7274, 9.9770



Tritanopia

21.7920, 15.5098, 11.0776

Trichromacy



Original Color

21.7462, 15.6130, 10.4618

Protanomaly

16.6863, 15.1389, 12.3986

Deuteranomaly

17.7447, 15.4556, 10.0306

Tritanomaly

21.7509, 15.4934, 10.8609

Monochromacy



Original Color

21.7462, 15.6130, 10.4618

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.5790, 15.0405, 14.3412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7462, 15.6130, 10.4618 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(172, 83, 85)` looks like.

```
.text, #text, p{  
    color:rgb(172, 83, 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(172, 83, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 83, 85) }
```

Border

The CSS property to change the border of an element to XYZ 21.7462, 15.6130, 10.4618 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(172, 83, 85) }
```


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

```
.border{ border-color:rgb(172, 83, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 83, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 83, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 83, 85);  
box-shadow:4px 4px 4px 4px rgb(172, 83,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7462, 15.6130, 10.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 83, 85) }
```

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

```
.background{ background-color: rgb(172, 83,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor