

Converting Colors

XYZ(21.5487, 15.1848, 7.8179)

Have a look what the booklet for
XYZ(21.5487, 15.1848, 7.8179)
contains.

XYZ(21.4616, 15.1909, 7.7622)	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(21.4616, 15.1909,
7.7622)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5047
RGB	174, 80, 71
RGB Percent	68%, 31%, 28%
CMY	0.3176, 0.6863, 0.7216
CMYK	0.00, 0.54, 0.59, 0.32
HSL	5°, 42%, 48%
HSV	5°, 59%, 68%
XYZ	21.4616, 15.1909, 7.7622
YIQ	107.0800, 58.9130, 17.1290

Conversions

Conversions Part 2

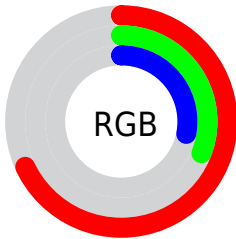
Format	Color
R _Y B	174, 81, 71
Decimal	11423815
CIE Lab	45.89, 37.68, 23.79
CIE LCh	46, 44.562, 32.261
Yxy	15.1909, 0.4832, 0.3420
Android (android.graphics.Color)	4289613895 (0xFFAE5047)
YUV	107.0800, -17.7874, 58.6888
Hunter-Lab	38.9755, 30.0827, 15.4749

Details

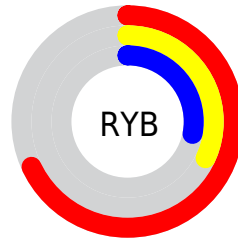
The XYZ color **21.4616, 15.1909, 7.7622** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.6928, 31.3042, 44.8380**, and the grayscale version is **14.0341, 14.7650, 16.0791**.

A 20% lighter version of the original color is **45.2457, 35.1822, 22.1754**, and **7.8397, 4.6709, 1.5253** is the 20% darker color. If you saturate the color by 10%, you get **19.9526, 12.9424, 4.8876**, and if you desaturate by 10%, it is **23.4060, 18.0545, 11.5710**.

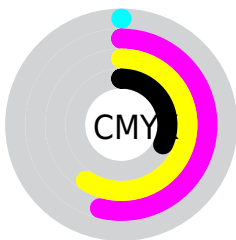
Distribution



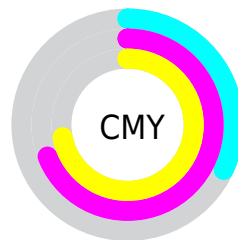
- Red (68%)
- Green (31%)
- Blue (28%)



- Red (68%)
- Yellow (32%)
- Blue (28%)



- Cyan (0%)
- Magenta (54%)
- Yellow (59%)
- Black (32%)



- Cyan (32%)
- Magenta (69%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4616, 15.1909, 7.7622 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 21.4616, 15.1909, 7.7622 by changing the saturation by 10% instead.

■ 21.4616, 15.1909,
7.7622

■ 21.4616, 15.1909,
7.7622

252.4071,
224.5188, 183.7192

■ 13.5762, 8.9535,
3.8576

■ 45.3400, 35.1877,
22.0293

■ 7.9062, 4.7108,
1.5475

■ 62.0638, 49.7159,
33.2290

■ 4.0863, 2.0786,
0.2530

■ 82.4643, 67.7765,
47.6973

■ 1.7511, 0.6526,
0.0000

■ 106.9071, 89.7538,
65.8529

■ 0.4879, 0.0000,
0.0000

■ 135.7574,
116.0323, 88.1144

■ 0.0000, 0.0000,
0.0000

169.3806,

146.9964, 114.9002

208.1421,
183.0304, 146.6290

■ 21.4616, 15.1909,
7.7622

■ 21.4616, 15.1909,
7.7622

■ 19.9526, 12.9424,
4.8876

■ 23.4060, 18.0545,
11.5710

■ 18.8442, 11.2615,
2.8657

■ 25.8148, 21.5712,
16.3845

■ 18.0979, 10.0980,
1.6025

■ 28.7158, 25.7788,
22.2671

■ 17.6559, 9.3870,
0.9215

■ 32.1344, 30.7115,
29.2780

■ 17.6294, 9.3463,
0.8749

■ 36.0941, 36.4012,
37.4718

■ 40.6170, 42.8779,
46.8996

■ 45.7240, 50.1702,
57.6094

■ 51.4349, 58.3048,
69.6470

■ 57.7686, 67.3077,
83.0554

Harmonies

Analogous

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



22.9417, 15.1909, 15.7364



21.4616, 15.1909, 7.7622



18.0747, 15.1909, 4.1439

Triad

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



21.4616, 15.1909, 7.7622



8.9349, 15.1909, 8.6489



14.7258, 15.1909, 47.0858

Complementary

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



21.4616, 15.1909, 7.7622



23.6928, 31.3042, 44.8380

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.



11.3259, 15.1909, 42.4930



21.4616, 15.1909, 7.7622



8.3485, 15.1909, 17.3712

Square

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



21.4616, 15.1909, 7.7622



10.9107, 15.1909, 4.4773



9.1438, 15.1909, 30.2489



18.6549, 15.1909, 40.9782

Rectangle

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



21.4616, 15.1909, 7.7622



15.4349, 15.1909, 3.3322



9.1438, 15.1909, 30.2489



13.4859, 15.1909, 46.7400

Sweetspot

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



21.4620, 15.1917, 7.7625



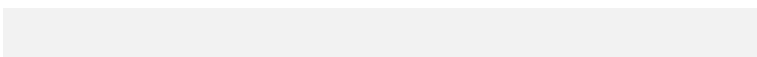
58.8784, 56.5564, 54.3228



26.5384, 16.2370, 37.5318



12.6641, 11.9622, 11.2042



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.4620, 15.1917, 7.7625



35.5023, 22.4370, 7.5854



26.7204, 25.7087, 9.5153



8.0595, 8.1237, 8.3566



12.8065, 6.8186, 0.6411



0.3740, 0.2251, 0.0237

Inverse Universe

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



23.6928, 31.3042, 44.8380



39.8523, 54.2147, 81.0009



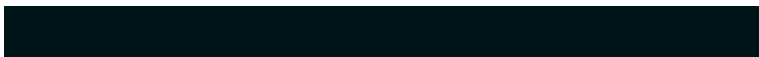
16.2465, 16.4115, 42.3559



8.1756, 8.9505, 10.2494



14.5293, 20.1924, 32.1763



0.4213, 0.5959, 0.9008

Previews

White Background



This preview shows how the XYZ color 21.4616, 15.1909, 7.7622 looks on a white background.

Color Contrast Check

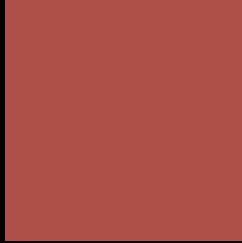
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4616, 15.1909, 7.7622 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 21.4616, 15.1909, 7.7622

Background



This preview shows how black text looks on a background with the XYZ color 21.4616, 15.1909, 7.7622.



This preview shows how white text looks on a background with the XYZ color 21.4616, 15.1909,

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

21.4616, 15.1909, 7.7622

Protanopia

14.3661, 15.3437, 10.3881

Deuteranopia

15.4792, 15.2114, 7.4304



Tritanopia

21.9649, 15.1873, 9.9574

Trichromacy



Original Color

21.4616, 15.1909, 7.7622

Protanomaly

16.2602, 14.7032, 9.3781

Deuteranomaly

17.1682, 14.8048, 7.4216

Tritanomaly

21.8865, 15.2704, 9.1911

Monochromacy



Original Color

21.4616, 15.1909, 7.7622

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.6551, 14.1828, 12.5021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4616, 15.1909, 7.7622 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(174, 80, 71)` looks like.

```
.text, #text, p{  
    color:rgb(174, 80, 71)  
}
```

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(174, 80, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 80, 71) }
```

Border

The CSS property to change the border of an element to XYZ 21.4616, 15.1909, 7.7622 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(174, 80, 71) }
```


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

```
.border{ border-color:rgb(174, 80, 71) }
```

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

Here you see how a box with a 4 pixel rgb(174, 80, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 80, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 80, 71);  
box-shadow:4px 4px 4px 4px rgb(174, 80,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4616, 15.1909, 7.7622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 80, 71) }
```

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

```
.background{ background-color: rgb(174, 80,  
71) }
```

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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