

Converting Colors

XYZ(21.9113, 15.7210, 9.4740)

Have a look what the booklet for
XYZ(21.9113, 15.7210, 9.4740)
contains.

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Color

**XYZ(21.9968, 15.7644,
9.4729)**

Conversions

Conversions Part 1

Format	Color
Hex	AE5350
RGB	174, 83, 80
RGB Percent	68%, 33%, 31%
CMY	0.3176, 0.6745, 0.6863
CMYK	0.00, 0.52, 0.54, 0.32
HSL	2°, 37%, 50%
HSV	2°, 54%, 68%
XYZ	21.9968, 15.7644, 9.4729
YIQ	109.8670, 55.1990, 18.3590

Conversions

Conversions Part 2

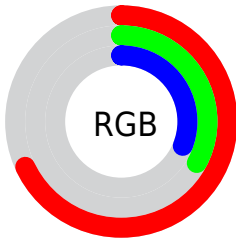
Format	Color
R_{YB}	174, 83, 80
Decimal	11424592
CIE Lab	46.66, 36.88, 19.42
CIE LCh	47, 41.678, 27.772
Yxy	15.7644, 0.4657, 0.3338
Android (android.graphics.Color)	4289614672 (0xFFAE5350)
YUV	109.8670, -14.7244, 56.2446
Hunter-Lab	39.7044, 29.4088, 13.6473

Details

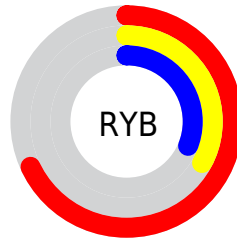
The XYZ color **21.9968, 15.7644, 9.4729** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.5102, 33.8853, 45.2402**, and the grayscale version is **14.8132, 15.5846, 16.9717**.

A 20% lighter version of the original color is **46.2307, 36.2366, 25.3266**, and **8.1984, 4.9970, 2.2015** is the 20% darker color. If you saturate the color by 10%, you get **20.2993, 13.2685, 6.1355**, and if you desaturate by 10%, it is **24.1746, 18.9547, 13.7920**.

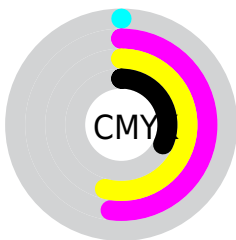
Distribution



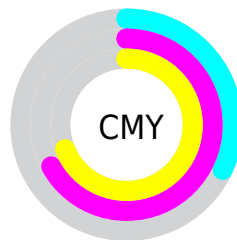
- Red (68%)
- Green (33%)
- Blue (31%)



- Red (68%)
- Yellow (33%)
- Blue (31%)



- Cyan (0%)
- Magenta (52%)
- Yellow (54%)
- Black (32%)



- Cyan (32%)
- Magenta (67%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9968, 15.7644, 9.4729 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 21.9968, 15.7644, 9.4729 by changing the saturation by 10% instead.

■ 21.9968, 15.7644,
9.4729

■ 21.9968, 15.7644,
9.4729

255.1622,
227.9475, 197.2137

■ 13.9711, 9.3576,
4.9499

■ 46.2196, 36.1887,
25.3914

■ 8.1822, 4.9752,
2.1597

■ 63.1474, 50.9750,
37.6239

■ 4.2645, 2.2327,
0.6510

■ 83.7734, 69.3232,
53.2634

■ 1.8528, 0.7377,
0.0000

■ 108.4628, 91.6178,
72.7284

■ 0.5492, 0.0000,
0.0000

■ 137.5811,
118.2431, 96.4373

■ 0.0000, 0.0000,
0.0000

171.4935,

149.5836, 124.8088

210.5654,
186.0236, 158.2614

■ 21.9968, 15.7644,
9.4729

■ 21.9968, 15.7644,
9.4729

■ 20.2993, 13.2685,
6.1355

■ 24.1746, 18.9547,
13.7920

■ 19.0447, 11.4130,
3.7021

■ 26.8641, 22.8831,
19.1606

■ 18.1921, 10.1403,
2.0846

■ 30.0953, 27.5925,
25.6416

■ 17.6924, 9.3812,
1.1770

■ 33.8956, 33.1222,
33.2926

■ 17.5159, 9.1194,
0.8370

■ 38.2905, 39.5084,
42.1673

■ 43.3039, 46.7854,
52.3160

■ 48.9586, 54.9856,
63.7863

■ 55.2761, 64.1398,
76.6232

■ 62.2769, 74.2772,
90.8697

Harmonies

Analogous

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



23.0381, 15.7644, 17.9488



21.9968, 15.7644, 9.4729



18.9953, 15.7644, 5.2479

Triad

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



21.9968, 15.7644, 9.4729



9.8487, 15.7644, 8.6010



14.7155, 15.7644, 45.6488

Complementary

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



21.9968, 15.7644, 9.4729



25.5102, 33.8853, 45.2402

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.



11.5806, 15.7644, 40.0489



21.9968, 15.7644, 9.4729



9.0664, 15.7644, 16.4039

Square

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



21.9968, 15.7644, 9.4729



11.9785, 15.7644, 4.9051



9.6462, 15.7644, 28.1840



18.4534, 15.7644, 41.4230

Rectangle

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



21.9968, 15.7644, 9.4729



16.5013, 15.7644, 4.1503



9.6462, 15.7644, 28.1840



13.5620, 15.7644, 44.8176

Sweetspot

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



21.9972, 15.7652, 9.4732



59.8325, 57.6794, 57.0613



27.8123, 17.7313, 41.2048



12.9820, 12.3596, 12.0452



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.



21.9972, 15.7652, 9.4732



36.2717, 23.2573, 10.0573



26.6968, 25.1645, 11.0397



8.0250, 8.0548, 8.3451



12.7129, 6.6312, 0.6099



0.3602, 0.1975, 0.0191

Inverse Universe

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



25.5102, 33.8853, 45.2402



43.3023, 59.5911, 81.8568



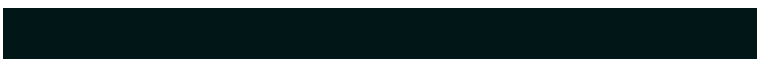
18.3369, 19.5387, 42.8491



8.2141, 9.0275, 10.2622



15.7649, 22.6636, 32.5881



0.4452, 0.6438, 0.9088

Previews

White Background



This preview shows how the XYZ color 21.9968, 15.7644, 9.4729 looks on a white background.

Color Contrast Check

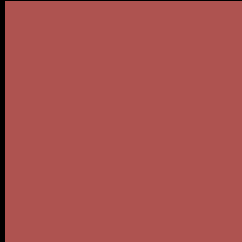
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9968, 15.7644, 9.4729 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 21.9968, 15.7644, 9.4729

Background



This preview shows how black text looks on a background with the XYZ color 21.9968, 15.7644, 9.4729.



This preview shows how white text looks on a background with the XYZ color 21.9968, 15.7644,

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

21.9968, 15.7644, 9.4729

Protanopia

14.9963, 15.9411, 12.6425

Deuteranopia

16.1314, 15.8164, 9.0401



Tritanopia

22.2343, 15.7378, 11.0983

Trichromacy



Original Color

21.9968, 15.7644, 9.4729

Protanomaly

16.8964, 15.4152, 11.3174

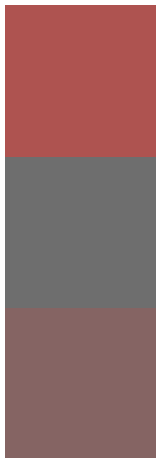
Deuteranomaly

17.9200, 15.5671, 9.0814

Tritanomaly

22.1125, 15.6891, 10.4572

Monochromacy



Original Color

21.9968, 15.7644, 9.4729

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.4822, 15.0017, 13.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9968, 15.7644, 9.4729 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, 83, 80)` looks like.

```
.text, #text, p{  
    color:rgb(174, 83, 80)  
}
```

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, 83, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 83, 80) }
```

Border

The CSS property to change the border of an element to XYZ 21.9968, 15.7644, 9.4729 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, 83, 80) }
```


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

```
.border{ border-color:rgb(174, 83, 80) }
```

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

Here you see how a box with a 4 pixel rgb(174, 83, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 83, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 83, 80);  
box-shadow:4px 4px 4px 4px rgb(174, 83,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9968, 15.7644, 9.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 83, 80) }
```

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

```
.background{ background-color: rgb(174, 83,  
80) }
```

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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