

Converting Colors

XYZ(21.3150, 16.7739, 9.3180)

Have a look what the booklet for
XYZ(21.3150, 16.7739, 9.3180)
contains.

XYZ(21.3142, 16.7710, 9.3215)	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(21.3142, 16.7710,
9.3215)**

Conversions

Conversions Part 1

Format	Color
Hex	A75E4E
RGB	167, 94, 78
RGB Percent	65%, 37%, 31%
CMY	0.3451, 0.6314, 0.6941
CMYK	0.00, 0.44, 0.53, 0.35
HSL	11°, 36%, 48%
HSV	11°, 53%, 65%
XYZ	21.3142, 16.7710, 9.3215
YIQ	114.0030, 48.6440, 10.5000

Conversions

Conversions Part 2

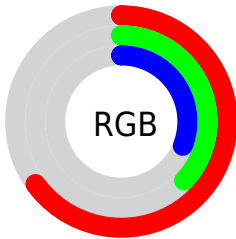
Format	Color
R_{YB}	167, 98, 78
Decimal	10968654
CIE _{Lab}	47.97, 28.04, 22.15
CIE _{LCh}	48, 35.730, 38.305
Yxy	16.7710, 0.4496, 0.3538
Android (android.graphics.Color)	4289158734 (0xFFA75E4E)
YUV	114.0030, -17.7495, 46.4784
Hunter-Lab	40.9524, 21.2359, 15.1712

Details

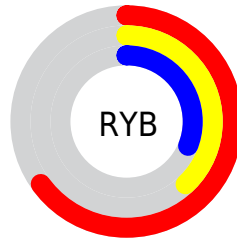
The XYZ color **21.3142, 16.7710, 9.3215** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **21.1828, 26.5415, 40.5656**, and the grayscale version is **16.0369, 16.8721, 18.3737**.

A 20% lighter version of the original color is **45.0075, 37.7907, 25.0008**, and **7.8071, 5.4433, 2.0780** is the 20% darker color. If you saturate the color by 10%, you get **19.6780, 14.3382, 6.1879**, and if you desaturate by 10%, it is **23.3194, 19.6986, 13.3285**.

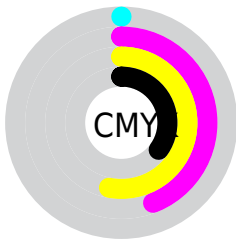
Distribution



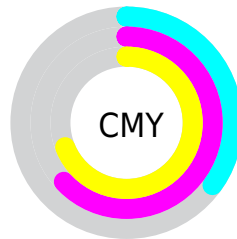
- Red (65%)
- Green (37%)
- Blue (31%)



- Red (65%)
- Yellow (38%)
- Blue (31%)



- Cyan (0%)
- Magenta (44%)
- Yellow (53%)
- Black (35%)



- Cyan (35%)
- Magenta (63%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3142, 16.7710, 9.3215 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 21.3142, 16.7710, 9.3215 by changing the saturation by 10% instead.

■ 21.3142, 16.7710,
9.3215

■ 21.3142, 16.7710,
9.3215

251.6438,
233.8492, 196.0640

■ 13.4676, 10.0714,
4.8518

■ 45.0972, 37.9316,
25.0988

■ 7.8306, 5.4463,
2.1034

■ 61.7644, 53.1614,
37.2435

■ 4.0376, 2.5114,
0.6178

■ 82.1024, 72.0033,
52.7835

■ 1.7234, 0.8823,
0.0000

■ 106.4768, 94.8418,
72.1376

■ 0.4709, 0.0000,
0.0000

■ 135.2527,
122.0613, 95.7241

■ 0.0000, 0.0000,
0.0000

168.7956,

154.0460, 123.9617

207.4709,
191.1806, 157.2688

■ 21.3142, 16.7710,
9.3215

■ 21.3142, 16.7710,
9.3215

■ 19.6780, 14.3382,
6.1879

■ 23.3194, 19.6986,
13.3285

■ 18.3864, 12.3701,
3.8611

■ 25.7136, 23.1439,
18.2669

■ 17.4139, 10.8372,
2.2664

■ 28.5165, 27.1313,
24.1908

■ 16.7305, 9.7055,
1.3143

■ 31.7464, 31.6830,
31.1498

■ 16.4013, 9.1456,
0.9008

■ 35.4203, 36.8199,
39.1903

■ 39.5542, 42.5617,
48.3557

■ 44.1636, 48.9275,
58.6872

■ 49.2628, 55.9352,
70.2237

■ 54.8660, 63.6023,
83.0025

Harmonies

Analogous

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



22.8918, 16.7710, 15.8155



21.3142, 16.7710, 9.3215



18.3425, 16.7710, 6.2366

Triad

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



21.3142, 16.7710, 9.3215



10.8480, 16.7710, 12.4547



16.8522, 16.7710, 42.0520

Complementary

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



21.3142, 16.7710, 9.3215



21.1828, 26.5415, 40.5656

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.



13.7576, 16.7710, 40.2119



21.3142, 16.7710, 9.3215



10.5613, 16.7710, 20.9460

Square

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



21.3142, 16.7710, 9.3215



12.3996, 16.7710, 7.5747



11.5554, 16.7710, 31.6177



20.0981, 16.7710, 36.0272

Rectangle

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



21.3142, 16.7710, 9.3215



16.1243, 16.7710, 5.6458



11.5554, 16.7710, 31.6177



15.7577, 16.7710, 42.3638

Sweetspot

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



21.3146, 16.7719, 9.3218



55.0405, 54.1912, 51.8529



24.3419, 15.9368, 31.5705



12.0585, 11.7630, 11.0458



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.



21.3146, 16.7719, 9.3218



34.7650, 24.9595, 10.1987



26.3046, 26.7518, 10.9851



7.6362, 7.7524, 7.8832



12.5774, 7.0521, 0.6983



0.3365, 0.2326, 0.0272

Inverse Universe

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



21.1828, 26.5415, 40.5656



34.4430, 44.2312, 72.1974



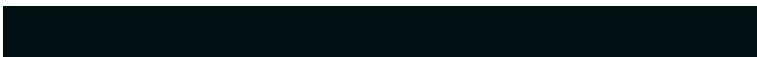
15.4445, 15.0648, 38.6528



7.6311, 8.2992, 9.6180



12.2117, 15.8836, 30.3977



0.3262, 0.4446, 0.7493

Previews

White Background



This preview shows how the XYZ color 21.3142, 16.7710, 9.3215 looks on a white background.

Color Contrast Check

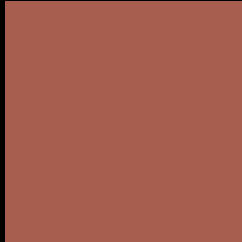
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3142, 16.7710, 9.3215 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 21.3142, 16.7710, 9.3215

Background



This preview shows how black text looks on a background with the XYZ color 21.3142, 16.7710, 9.3215.



This preview shows how white text looks on a background with the XYZ color 21.3142, 16.7710,

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

21.3142, 16.7710, 9.3215

Protanopia

15.7637, 16.8603, 11.4404

Deuteranopia

17.0552, 16.7636, 8.9934



Tritanopia

22.0941, 16.6888, 13.6121

Trichromacy



Original Color

21.3142, 16.7710, 9.3215

Protanomaly

17.3392, 16.5588, 10.6698

Deuteranomaly

18.4676, 16.7183, 9.0911

Tritanomaly

21.8639, 16.7345, 11.9752

Monochromacy



Original Color

21.3142, 16.7710, 9.3215

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2795, 16.4415, 14.5747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3142, 16.7710, 9.3215 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, 94, 78)` looks like.

```
.text, #text, p{  
    color:rgb(167, 94, 78)  
}
```

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, 94, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 94, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.3142, 16.7710, 9.3215 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, 94, 78) }
```


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

```
.border{ border-color:rgb(167, 94, 78) }
```

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

Here you see how a box with a 4 pixel rgb(167, 94, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 94, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 94, 78);  
box-shadow:4px 4px 4px 4px rgb(167, 94,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3142, 16.7710, 9.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 94, 78) }
```

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

```
.background{ background-color: rgb(167, 94,  
78) }
```

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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