

Converting Colors

XYZ(21.1130, 15.9628, 11.3896)

Have a look what the booklet for
XYZ(21.1130, 15.9628, 11.3896)
contains.

XYZ(21.1014, 15.9730, 11.4221)	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(21.1014, 15.9730,
11.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	A65959
RGB	166, 89, 89
RGB Percent	65%, 35%, 35%
CMY	0.3490, 0.6510, 0.6510
CMYK	0.00, 0.46, 0.46, 0.35
HSL	0°, 30%, 50%
HSV	0°, 46%, 65%
XYZ	21.1014, 15.9730, 11.4221
YIQ	112.0230, 45.8920, 16.3240

Conversions

Conversions Part 2

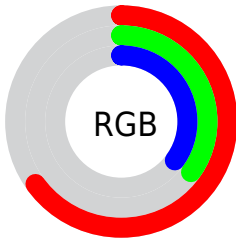
Format	Color
R_{YB}	166, 89, 89
Decimal	10901849
CIE _{Lab}	46.94, 31.47, 14.19
CIE _{LCh}	47, 34.520, 24.274
Yxy	15.9730, 0.4351, 0.3294
Android (android.graphics.Color)	4289091929 (0xFFA65959)
YUV	112.0230, -11.3503, 47.3378
Hunter-Lab	39.9662, 24.3036, 11.0317

Details

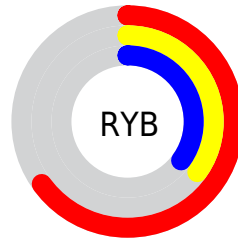
The XYZ color **21.1014, 15.9730, 11.4221** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.6382, 32.1478, 40.9828**, and the grayscale version is **15.4311, 16.2347, 17.6796**.

A 20% lighter version of the original color is **44.7788, 36.4675, 29.1049**, and **7.7690, 5.0789, 2.9537** is the 20% darker color. If you saturate the color by 10%, you get **19.2523, 13.2675, 7.7458**, and if you desaturate by 10%, it is **23.4199, 19.3659, 16.0306**.

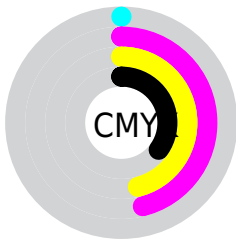
Distribution



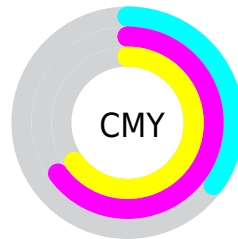
- Red (65%)
- Green (35%)
- Blue (35%)



- Red (65%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (46%)
- Yellow (46%)
- Black (35%)



- Cyan (35%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1014, 15.9730, 11.4221 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 21.1014, 15.9730, 11.4221 by changing the saturation by 10% instead.

■ 21.1014, 15.9730,
11.4221

■ 21.1014, 15.9730,
11.4221

250.5384,
229.1823, 211.3813

■ 13.3110, 9.5050,
6.2338

■ 44.7462, 36.5513,
29.0866

■ 7.7215, 5.0720,
2.9167

■ 61.3314, 51.4305,
42.3998

■ 3.9676, 2.2896,
1.0522

■ 81.5789, 69.8822,
59.2585

■ 1.6838, 0.7682,
0.0000

■ 105.8540, 92.2908,
80.0810

■ 0.4461, 0.0000,
0.0000

■ 134.5222,
119.0407, 105.2860

■ 0.0000, 0.0000,
0.0000

167.9488,

150.5164, 135.2920

206.4990,
187.1021, 170.5176

■ 21.1014, 15.9730,
11.4221

■ 21.1014, 15.9730,
11.4221

■ 19.2523, 13.2675,
7.7458

■ 23.4199, 19.3659,
16.0306

■ 17.8396, 11.2002,
4.9375

■ 26.2356, 23.4861,
21.6281

■ 16.8277, 9.7195,
2.9261


■ 29.5754, 28.3732,
28.2675


■ 16.1752, 8.7646,
1.6290


■ 33.4641, 34.0634,
35.9981

■ 15.8239, 8.2506,
0.9308


■ 37.9248, 40.5906,
44.8659

 15.7259, 8.1072,
0.7360

 42.9793, 47.9867,
54.9141

 48.6482, 56.2819,
66.1840

 54.9513, 65.5051,
78.7145

 61.9074, 75.6836,
92.5432

Harmonies

Analogous

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



21.7092, 15.9730, 19.1011



21.1014, 15.9730, 11.4221



18.8235, 15.9730, 7.0978

Triad

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



21.1014, 15.9730, 11.4221



10.9463, 15.9730, 9.3890



14.6109, 15.9730, 39.6855

Complementary

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



21.1014, 15.9730, 11.4221



24.6382, 32.1478, 40.9828

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.



12.0430, 15.9730, 34.6452



21.1014, 15.9730, 11.4221



10.1147, 15.9730, 15.7878

Square

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



21.1014, 15.9730, 11.4221



12.9219, 15.9730, 6.2251



10.4879, 15.9730, 25.1462



17.6911, 15.9730, 37.3338

Rectangle

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



21.1014, 15.9730, 11.4221



16.8075, 15.9730, 5.8083



10.4879, 15.9730, 25.1462



13.6646, 15.9730, 38.7595

Sweetspot

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



21.1018, 15.9738, 11.4224



55.0918, 53.5653, 54.1159



26.1812, 18.0050, 38.1717



12.0177, 11.5321, 11.4922



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.



21.1018, 15.9738, 11.4224



34.7497, 23.7989, 13.6770



25.1831, 24.1365, 12.7828



7.5312, 7.5424, 7.8482



12.1948, 6.2868, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



24.6382, 32.1478, 40.9828



41.9964, 56.9429, 74.2529



18.6569, 20.1853, 38.9891



7.7475, 8.5320, 9.6568



15.9103, 23.2808, 31.6306



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 21.1014, 15.9730, 11.4221 looks on a white background.

Color Contrast Check

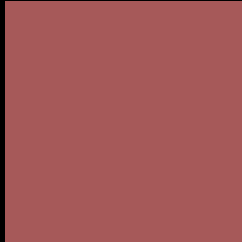
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1014, 15.9730, 11.4221 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 21.1014, 15.9730, 11.4221

Background



This preview shows how black text looks on a background with the XYZ color 21.1014, 15.9730, 11.4221.

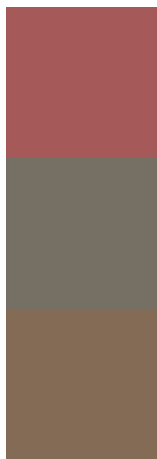


This preview shows how white text looks on a background with the XYZ color 21.1014, 15.9730,

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

21.1014, 15.9730, 11.4221

Protanopia

15.3208, 16.0709, 14.3511

Deuteranopia

16.2975, 16.0126, 11.0359



Tritanopia

21.2360, 15.8946, 12.5384

Trichromacy



Original Color

21.1014, 15.9730, 11.4221

Protanomaly

16.9532, 15.6959, 13.2024

Deuteranomaly

17.7791, 15.7318, 11.1163

Tritanomaly

21.1474, 15.8591, 12.0717

Monochromacy



Original Color

21.1014, 15.9730, 11.4221

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.9647, 15.8056, 15.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1014, 15.9730, 11.4221 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(166, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(166, 89, 89)  
}
```

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(166, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 89, 89) }
```

Border

The CSS property to change the border of an element to XYZ 21.1014, 15.9730, 11.4221 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(166, 89, 89) }
```


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

```
.border{ border-color:rgb(166, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(166, 89,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1014, 15.9730, 11.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 89, 89) }
```

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

```
.background{ background-color: rgb(166, 89,  
89) }
```

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