

Converting Colors

XYZ(31.2209, 29.0198, 21.9524)

Have a look what the booklet for
XYZ(31.2209, 29.0198, 21.9524)
contains.

XYZ(31.2192, 28.9751, 22.0365)	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(31.2192, 28.9751,
22.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	B48979
RGB	180, 137, 121
RGB Percent	71%, 54%, 47%
CMY	0.2941, 0.4627, 0.5255
CMYK	0.00, 0.24, 0.33, 0.29
HSL	16°, 28%, 59%
HSV	16°, 33%, 71%
XYZ	31.2192, 28.9751, 22.0365
YIQ	148.0330, 30.7640, 4.1400

Conversions

Conversions Part 2

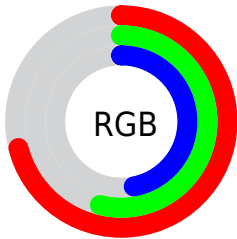
Format	Color
R_{YB}	180, 143, 121
Decimal	11831673
CIE Lab	60.76, 14.12, 14.92
CIE LCh	61, 20.544, 46.573
Yxy	28.9751, 0.3797, 0.3524
Android (android.graphics.Color)	4290021753 (0xFFB48979)
YUV	148.0330, -13.3273, 28.0351
Hunter-Lab	53.8285, 9.3256, 13.4076

Details

The XYZ color **31.2192, 28.9751, 22.0365** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **29.3983, 33.9099, 48.1757**, and the grayscale version is **28.2076, 29.6765, 32.3178**.

A 20% lighter version of the original color is **60.8813, 57.8486, 47.4923**, and **13.1821, 11.7199, 7.6983** is the 20% darker color. If you saturate the color by 10%, you get **28.4641, 25.0697, 16.1710**, and if you desaturate by 10%, it is **34.4085, 33.4191, 29.0636**.

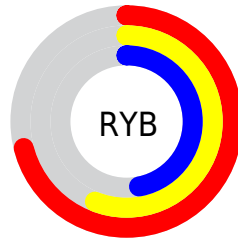
Distribution



Red (71%)

Green (54%)

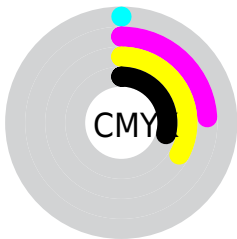
Blue (47%)



Red (71%)

Yellow (56%)

Blue (47%)

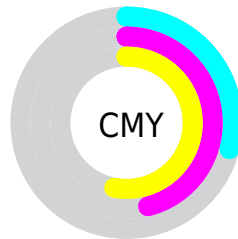


Cyan (0%)

Magenta (24%)

Yellow (33%)

Black (29%)



Cyan (29%)


Magenta (46%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2192, 28.9751, 22.0365 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 31.2192, 28.9751, 22.0365 by changing the saturation by 10% instead.


 31.2192, 28.9751,
22.0365


 31.2192, 28.9751,
22.0365

299.3558,
297.0975, 275.6965


 20.9185, 19.0620,
13.6851


 60.9585, 58.0375,
47.7093

 13.1765, 11.7151,
7.7658


 81.1278, 77.9556,
65.8678

 7.6281, 6.5500,
3.8598


 105.3173,
101.9775, 88.1324

 3.9077, 3.1823,
1.5488

133.8924,
130.4876, 114.9217

 1.6500, 1.2276,
0.2539

167.2185,
163.8702, 146.6543

 0.4247, 0.0841,
0.0000

205.6608,

 0.0000, 0.0000,

202.5098, 183.7486

0.0000

249.5848,
246.7907, 226.6231

■ 31.2192, 28.9751,
22.0365

■ 31.2192, 28.9751,
22.0365

■ 28.4641, 25.0697,
16.1710

■ 34.4085, 33.4191,
29.0636

■ 26.1215, 21.6779,
11.4021

■ 38.0480, 38.4172,
37.3087

■ 24.1707, 18.7790,
7.6612


■ 42.1558, 43.9893,
46.8270


■ 22.5888, 16.3491,
4.8710


■ 46.7480, 50.1533,
57.6694


■ 21.3496, 14.3620,
2.9433


■ 51.8401, 56.9259,
69.8843

 20.4232, 12.7888,
1.7729

 57.4468, 64.3234,
83.5174

 19.9134, 11.8853,
1.2445

 63.5824, 72.3615,
98.6126

 68.6079, 80.3943,
106.5094

 72.6324, 88.4433,
107.8509

Harmonies

Analogous

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



32.7553, 28.9751, 27.5410



31.2192, 28.9751, 22.0365



28.7485, 28.9751, 19.3075

Triad

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



31.2192, 28.9751, 22.0365



22.8454, 28.9751, 28.2588



29.0293, 28.9751, 47.8298

Complementary

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



31.2192, 28.9751, 22.0365



29.3983, 33.9099, 48.1757

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.



26.3658, 28.9751, 48.1058



31.2192, 28.9751, 22.0365



22.9098, 28.9751, 35.9280

Square

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



31.2192, 28.9751, 22.0365



23.9797, 28.9751, 22.4886



24.1618, 28.9751, 43.4673



31.4362, 28.9751, 42.7649

Rectangle

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



31.2192, 28.9751, 22.0365



26.9569, 28.9751, 19.0885



24.1618, 28.9751, 43.4673



28.1314, 28.9751, 48.5110

Sweetspot

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



31.2200, 28.9765, 22.0371



70.8473, 72.1901, 71.9201



32.3848, 26.0683, 38.5733



15.0980, 15.3107, 15.0505



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.2200, 28.9765, 22.0371



53.0836, 47.5578, 32.4105



35.9523, 38.4412, 23.6145



8.6777, 8.8679, 8.9068



13.9473, 8.3931, 0.8849



0.4884, 0.3632, 0.0444

Inverse Universe

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



29.3983, 33.9099, 48.1757



49.2765, 57.8097, 86.8559



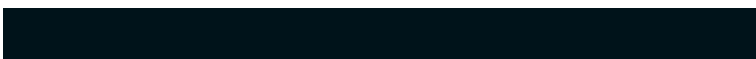
24.7551, 24.6235, 46.6280



8.5438, 9.2339, 10.8383



11.4887, 13.7778, 32.1909



0.4068, 0.5241, 1.0280

Previews

White Background



This preview shows how the XYZ color 31.2192, 28.9751, 22.0365 looks on a white background.

Color Contrast Check

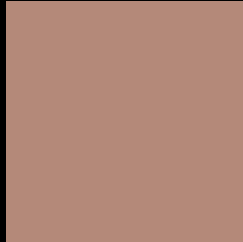
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.2192, 28.9751, 22.0365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

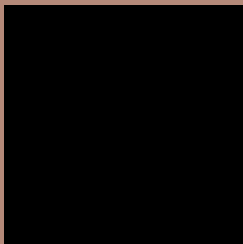
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2192, 28.9751, 22.0365

Background



This preview shows how black text looks on a background with the XYZ color 31.2192, 28.9751, 22.0365.



This preview shows how white text looks on a background with the XYZ color 31.2192, 28.9751,

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

31.2192, 28.9751, 22.0365

Protanopia

27.3712, 28.9342, 23.8809

Deuteranopia

29.4926, 28.9519, 21.8031



Tritanopia

32.8505, 29.0089, 30.2534

Trichromacy



Original Color

31.2192, 28.9751, 22.0365

Protanomaly

28.5648, 28.8867, 23.1389

Deuteranomaly

30.2238, 29.1109, 21.7953

Tritanomaly

32.1640, 28.9293, 27.1812

Monochromacy



Original Color

31.2192, 28.9751, 22.0365

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0579, 29.2551, 28.1600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2192, 28.9751, 22.0365 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(180, 137, 121)` looks like.

```
.text, #text, p{  
    color:rgb(180, 137, 121)  
}
```

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(180, 137, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 137, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.2192, 28.9751, 22.0365 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(180, 137, 121) }
```


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

```
.border{ border-color:rgb(180, 137, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 137, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 137, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 137, 121);  
box-shadow:4px 4px 4px 4px rgb(180, 137,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2192, 28.9751, 22.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 137, 121) }
```

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

```
.background{ background-color: rgb(180,  
137, 121) }
```

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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