

Converting Colors

XYZ(31.7459, 35.6671, 21.9041)

Have a look what the booklet for
XYZ(31.7459, 35.6671, 21.9041)
contains.

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Color

**XYZ(31.7962, 35.7278,
22.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A475
RGB	164, 164, 117
RGB Percent	64%, 64%, 46%
CMY	0.3569, 0.3568, 0.5412
CMYK	0.00, 0.00, 0.29, 0.36
HSL	60°, 21%, 55%
HSV	60°, 29%, 64%
XYZ	31.7962, 35.7278, 22.0499
YIQ	158.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

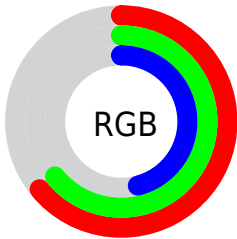
Format	Color
RYB	117, 164, 117
Decimal	10790005
CIELab	66.31, -7.70, 24.47
CIELCh	66, 25.650, 107.458
Yxy	35.7278, 0.3550, 0.3989
Android (android.graphics.Color)	4288980085 (0xFFA4A475)
YUV	158.6420, -20.5295, 4.6990
Hunter-Lab	59.7727, -9.6489, 19.9691

Details

The XYZ color **31.7962, 35.7278, 22.0499** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.3996, 19.1857, 37.7521**, and the grayscale version is **32.8778, 34.5901, 37.6686**.

A 20% lighter version of the original color is **61.7064, 68.5877, 47.5226**, and **13.5196, 15.4504, 7.7385** is the 20% darker color. If you saturate the color by 10%, you get **30.9153, 35.3766, 17.4086**, and if you desaturate by 10%, it is **32.8479, 36.1498, 27.5825**.

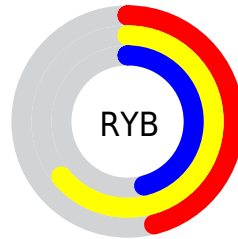
Distribution



Red (64%)

Green (64%)

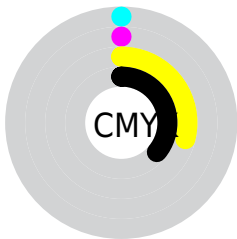
Blue (46%)



Red (46%)

Yellow (64%)

Blue (46%)

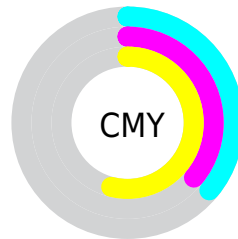


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7962, 35.7278, 22.0499 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 31.7962, 35.7278, 22.0499 by changing the saturation by 10% instead.

■ 31.7962, 35.7278,
22.0499

■ 31.7962, 35.7278,
22.0499

301.9516,
327.7692, 275.7688

■ 21.3607, 24.2240,
13.6949

■ 61.8588, 68.6117,
47.7317

■ 13.5019, 15.4999,
7.7725

■ 82.2166, 90.7607,
65.8956

■ 7.8544, 9.1710,
3.8640

■ 106.6125,
117.2268, 88.1662

■ 4.0529, 4.8529,
1.5510

135.4120,
148.3946, 114.9620

■ 1.7321, 2.1612,
0.2555

168.9802,
184.6483, 146.7017

■ 0.4763, 0.6987,
0.0000

207.6827,

■ 0.0000, 0.0000,

226.3724, 183.8037

0.0000

251.8847,
273.9512, 226.6865

■ 31.7962, 35.7278,
22.0499

■ 31.7962, 35.7278,
22.0499

■ 30.9153, 35.3766,
17.4086

■ 32.8479, 36.1498,
27.5825

■ 30.1937, 35.0880,
13.6100

■ 34.0758, 36.6410,
34.0472

■ 29.6226, 34.8595,
10.6042

■ 35.4886, 37.2061,
41.4850

■ 29.1914, 34.6870,
8.3351

■ 37.0933, 37.8480,
49.9339

■ 28.8880, 34.5656,
6.7393

■ 38.8968, 38.5695,
59.4296

■ 28.6985, 34.4898,
5.7429

■ 40.9056, 39.3730,
70.0063

■ 28.5961, 34.4488,
5.2052

■ 43.1259, 40.2612,
81.6966

■ 28.5841, 34.4439,
5.1418

■ 45.5636, 41.2363,
94.5317

■ 46.6388, 41.6664,
100.1920

Harmonies

Analogous

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



35.5828, 35.7278, 21.7307



31.7962, 35.7278, 22.0499



28.8157, 35.7278, 26.3117

Triad

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



31.7962, 35.7278, 22.0499



29.2179, 35.7278, 56.6039



41.6668, 35.7278, 43.6641

Complementary

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



31.7962, 35.7278, 22.0499



20.3996, 19.1857, 37.7521

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.



39.6788, 35.7278, 54.9769



31.7962, 35.7278, 22.0499



32.3838, 35.7278, 63.3374

Square

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



31.7962, 35.7278, 22.0499



27.4058, 35.7278, 45.5789



36.2161, 35.7278, 62.6915



41.4797, 35.7278, 32.9104

Rectangle

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



31.7962, 35.7278, 22.0499



27.5999, 35.7278, 31.3626



36.2161, 35.7278, 62.6915



41.2249, 35.7278, 47.5609

Sweetspot

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



31.7971, 35.7294, 22.0507



61.7282, 66.4570, 61.1576



24.8832, 21.9003, 19.7458



13.4235, 14.5002, 12.9940



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.7971, 35.7294, 22.0507



56.7208, 64.4539, 34.7960



27.3874, 33.4561, 21.8443



7.6494, 8.2373, 7.5669



21.9156, 26.4084, 3.9423



0.4605, 0.5549, 0.0828

Inverse Universe

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



20.3996, 19.1857, 37.7521



32.7919, 29.7209, 67.7607



23.9629, 21.0227, 37.9188



6.7005, 6.8600, 8.8740



5.1380, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 31.7962, 35.7278, 22.0499 looks on a white background.

Color Contrast Check

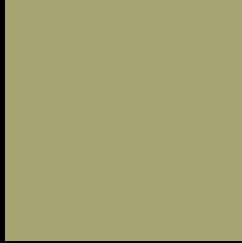
Large Text (above 18pt) WCAG AA × Fail

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 31.7962, 35.7278, 22.0499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

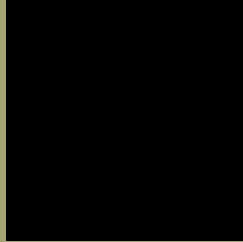
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

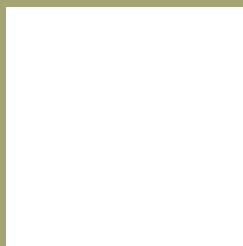
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7962, 35.7278, 22.0499

Background



This preview shows how black text looks on a background with the XYZ color 31.7962, 35.7278, 22.0499.



This preview shows how white text looks on a background with the XYZ color 31.7962, 35.7278,

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

31.7962, 35.7278, 22.0499

Protanopia

33.1308, 35.6349, 21.6550

Deuteranopia

36.1206, 35.3903, 22.3800



Tritanopia

36.1073, 35.6741, 43.0130

Trichromacy



Original Color

31.7962, 35.7278, 22.0499

Protanomaly

32.6503, 35.6477, 21.6828

Deuteranomaly

34.5529, 35.5855, 22.1871

Tritanomaly

34.3052, 35.7008, 34.3610

Monochromacy



Original Color

31.7962, 35.7278, 22.0499

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.4769, 35.0804, 31.4450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7962, 35.7278, 22.0499 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(164, 164, 117)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 117)  
}
```

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(164, 164, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.7962, 35.7278, 22.0499 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(164, 164, 117) }
```


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

```
.border{ border-color:rgb(164, 164, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 117);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7962, 35.7278, 22.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 117) }
```

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

```
.background{ background-color: rgb(164,  
164, 117) }
```

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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