

Converting Colors

XYZ(30.8701, 31.5869, 20.1578)

Have a look what the booklet for
XYZ(30.8701, 31.5869, 20.1578)
contains.

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Color

**XYZ(30.7413, 31.4578,
20.0745)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9571
RGB	172, 149, 113
RGB Percent	67%, 58%, 44%
CMY	0.3255, 0.4157, 0.5569
CMYK	0.00, 0.13, 0.34, 0.33
HSL	37°, 26%, 56%
HSV	37°, 34%, 67%
XYZ	30.7413, 31.4578, 20.0745
YIQ	151.7730, 25.2640, -6.3200

Conversions

Conversions Part 2

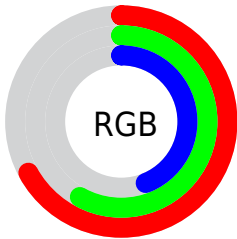
Format	Color
RYB	151, 172, 113
Decimal	11310449
CIELab	62.89, 3.16, 22.19
CIELCh	63, 22.415, 81.893
Yxy	31.4578, 0.3736, 0.3824
Android (android.graphics.Color)	4289500529 (0xFFAC9571)
YUV	151.7730, -19.1151, 17.7391
Hunter-Lab	56.0873, -0.3172, 18.0403

Details

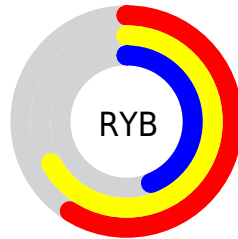
The XYZ color **30.7413, 31.4578, 20.0745** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.0603, 24.0967, 42.4654**, and the grayscale version is **29.8199, 31.3729, 34.1651**.

A 20% lighter version of the original color is **60.1424, 61.9225, 44.3797**, and **12.9296, 13.0390, 6.8363** is the 20% darker color. If you saturate the color by 10%, you get **28.8332, 29.0471, 15.1054**, and if you desaturate by 10%, it is **32.8956, 34.0669, 26.0318**.

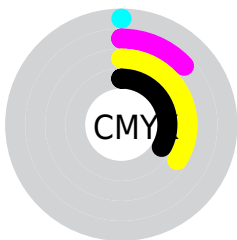
Distribution



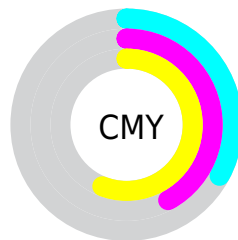
- Red (67%)
- Green (58%)
- Blue (44%)



- Red (59%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7413, 31.4578, 20.0745 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 30.7413, 31.4578, 20.0745 by changing the saturation by 10% instead.

■ 30.7413, 31.4578,
20.0745

■ 30.7413, 31.4578,
20.0745

297.1929,
308.6419, 264.9357

■ 20.5528, 20.9477,
12.2646

■ 60.2112, 61.9601,
44.4027

■ 12.9081, 13.0858,
6.7994

■ 80.2232, 82.7211,
61.7580

■ 7.4419, 7.4876,
3.2604

■ 104.2405,
107.6679, 83.1322

■ 3.7887, 3.7689,
1.2291

■ 132.6284,
137.1848, 108.9439

■ 1.5833, 1.5451,
0.0026

165.7522,
171.6563, 139.6115

■ 0.3815, 0.3202,
0.0000

203.9774,

■ 0.0000, 0.0000,

211.4667, 175.5537

0.0000

247.6691,
257.0004, 217.1889

■ 30.7413, 31.4578,
20.0745

■ 30.7413, 31.4578,
20.0745

■ 28.8332, 29.0471,
15.1054

■ 32.8956, 34.0669,
26.0318

■ 27.1575, 26.8243,
11.0675

■ 35.3043, 36.8760,
33.0262

■ 25.7025, 24.7842,
7.9009

■ 37.9781, 39.8919,
41.1056

■ 24.4544, 22.9195,
5.5378

■ 40.9263, 43.1200,
50.3143

■ 23.3973, 21.2222,
3.9001

■ 44.1576, 46.5651,
60.6942

■ 22.5123, 19.6828,
2.8941

■ 47.6806, 50.2322,
72.2850

■ 22.0608, 18.8658,
2.4787

■ 51.5031, 54.1259,
85.1245

■ 55.6330, 58.2505,
99.2489

■ 57.9471, 61.7583,
103.4742

Harmonies

Analogous

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



33.6990, 31.4578, 22.5813



30.7413, 31.4578, 20.0745



27.7488, 31.4578, 20.8202

Triad

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



30.7413, 31.4578, 20.0745



24.7422, 31.4578, 40.9619



34.7975, 31.4578, 45.8010

Complementary

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



30.7413, 31.4578, 20.0745



23.0603, 24.0967, 42.4654

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.



32.1589, 31.4578, 52.4890



30.7413, 31.4578, 20.0745



26.3973, 31.4578, 49.3784

Square

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



30.7413, 31.4578, 20.0745



24.4199, 31.4578, 31.9192



29.0736, 31.4578, 53.8996



36.1434, 31.4578, 36.6961

Rectangle

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



30.7413, 31.4578, 20.0745



26.1229, 31.4578, 23.1303



29.0736, 31.4578, 53.8996



34.0240, 31.4578, 48.4666

Sweetspot

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



30.7421, 31.4593, 20.0751



65.9878, 69.1082, 65.7136



27.4053, 22.3759, 26.3916



14.1998, 14.8591, 13.8580



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



30.7421, 31.4593, 20.0751



53.1555, 53.7859, 29.5523



33.4801, 38.8151, 21.3507



8.3966, 8.7980, 8.4690



16.4714, 14.1483, 1.8628



0.5093, 0.4958, 0.0689

Inverse Universe

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



23.0603, 24.0967, 42.4654



37.1365, 38.4408, 76.2683



20.9459, 18.7041, 41.5359



7.8253, 8.2501, 10.1327



7.0868, 5.3075, 29.6955



0.2512, 0.2558, 0.8441

Previews

White Background



This preview shows how the XYZ color 30.7413, 31.4578, 20.0745 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 30.7413, 31.4578, 20.0745 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 30.7413, 31.4578, 20.0745

Background



This preview shows how black text looks on a background with the XYZ color 30.7413, 31.4578, 20.0745.



This preview shows how white text looks on a background with the XYZ color 30.7413, 31.4578,

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

30.7413, 31.4578, 20.0745

Protanopia

29.3698, 31.4579, 20.4436

Deuteranopia

32.1385, 31.4760, 20.3012



Tritanopia

33.8703, 31.3586, 35.2780

Trichromacy



Original Color

30.7413, 31.4578, 20.0745

Protanomaly

29.8298, 31.4551, 20.4188

Deuteranomaly

31.6024, 31.4295, 20.3205

Tritanomaly

32.5382, 31.2582, 29.1294

Monochromacy



Original Color

30.7413, 31.4578, 20.0745

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9521, 31.3391, 28.5152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7413, 31.4578, 20.0745 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(172, 149, 113)` looks like.

```
.text, #text, p{  
    color:rgb(172, 149, 113)  
}
```

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(172, 149, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 149, 113) }
```

Border

The CSS property to change the border of an element to XYZ 30.7413, 31.4578, 20.0745 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(172, 149, 113) }
```


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

```
.border{ border-color:rgb(172, 149, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 149, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 149, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 149, 113);  
box-shadow:4px 4px 4px 4px rgb(172, 149,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7413, 31.4578, 20.0745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 149, 113) }
```

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

```
.background{ background-color: rgb(172,  
149, 113) }
```

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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