

Converting Colors

XYZ(30.7485, 31.5127, 21.6836)

Have a look what the booklet for
XYZ(30.7485, 31.5127, 21.6836)
contains.

XYZ(30.5950, 31.3489, 21.5780)	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(30.5950, 31.3489,
21.5780)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9576
RGB	170, 149, 118
RGB Percent	67%, 58%, 46%
CMY	0.3333, 0.4157, 0.5372
CMYK	0.00, 0.12, 0.31, 0.33
HSL	36°, 23%, 56%
HSV	36°, 31%, 67%
XYZ	30.5950, 31.3489, 21.5780
YIQ	151.7450, 22.4670, -5.1890

Conversions

Conversions Part 2

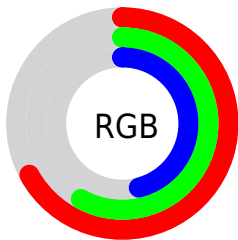
Format	Color
RYB	153, 170, 118
Decimal	11179382
CIELab	62.80, 3.01, 19.26
CIElCh	63, 19.493, 81.122
Yxy	31.3489, 0.3663, 0.3753
Android (android.graphics.Color)	4289369462 (0xFFAA9576)
YUV	151.7450, -16.6363, 16.0096
Hunter-Lab	55.9901, -0.4438, 16.3433

Details

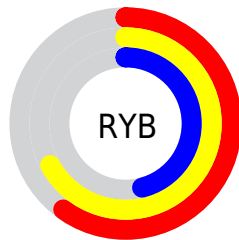
The XYZ color **30.5950, 31.3489, 21.5780** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.9594, 25.2184, 41.6351**, and the grayscale version is **29.7984, 31.3502, 34.1404**.

A 20% lighter version of the original color is **59.9757, 61.7829, 46.7944**, and **12.7780, 12.9469, 7.4558** is the 20% darker color. If you saturate the color by 10%, you get **28.6205, 28.8734, 16.3770**, and if you desaturate by 10%, it is **32.8173, 34.0282, 27.7607**.

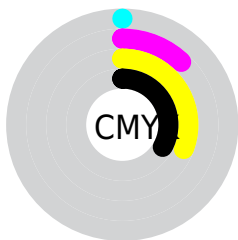
Distribution



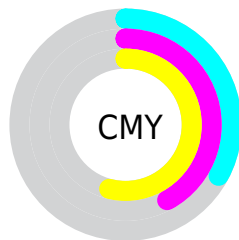
- Red (67%)
- Green (58%)
- Blue (46%)



- Red (60%)
- Yellow (67%)
- Blue (46%)



- Cyan (0%)
- Magenta (12%)
- Yellow (31%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5950, 31.3489, 21.5780 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 30.5950, 31.3489, 21.5780 by changing the saturation by 10% instead.


 30.5950, 31.3489,
21.5780


 30.5950, 31.3489,
21.5780


296.5284,
308.1425, 273.2157

 20.4410, 20.8647,
13.3518


 59.9821, 61.7890,
46.9407

 12.8261, 13.0251,
7.5377


 79.9458, 82.5136,
64.9144

 7.3851, 7.4458,
3.7171


 103.9101,
107.4205, 86.9742

 3.7525, 3.7425,
1.4715

132.2404,
136.8940, 113.5388

 1.5631, 1.5306,
0.1965

165.3021,
171.3186, 145.0267

 0.3682, 0.3101,
0.0000

203.4604,

 0.0000, 0.0000,

211.0786, 181.8565

0.0000

247.0807,
256.5584, 224.4467

■ 30.5950, 31.3489,
21.5780

■ 30.5950, 31.3489,
21.5780

■ 28.6205, 28.8734,
16.3770

■ 32.8173, 34.0282,
27.7607

■ 26.8804, 26.5912,
12.1037

■ 35.2950, 36.9127,
34.9710

■ 25.3637, 24.4973,
8.7020


■ 38.0384, 40.0092,
43.2546


■ 24.0574, 22.5845,
6.1091


■ 41.0566, 43.3231,
52.6535


■ 22.9468, 20.8452,
4.2530


■ 44.3579, 46.8593,
63.2077

 22.0146, 19.2704,
3.0495

 47.9506, 50.6225,
74.9551

 21.2661, 17.9231,
2.3387

 51.8423, 54.6175,
87.9318

 56.0406, 58.8487,
102.1725

 57.8678, 62.2464,
103.5725

Harmonies

Analogous

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



33.1336, 31.3489, 23.9260



30.5950, 31.3489, 21.5780



27.9855, 31.3489, 22.1809

Triad

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



30.5950, 31.3489, 21.5780



25.2624, 31.3489, 39.7064



33.9709, 31.3489, 44.2109

Complementary

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



30.5950, 31.3489, 21.5780



23.9594, 25.2184, 41.6351

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.



31.6833, 31.3489, 49.7549



30.5950, 31.3489, 21.5780



26.6908, 31.3489, 46.8963

Square

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



30.5950, 31.3489, 21.5780



25.0095, 31.3489, 31.9159



29.0114, 31.3489, 50.8048



35.1577, 31.3489, 36.4518

Rectangle

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



30.5950, 31.3489, 21.5780



26.5481, 31.3489, 24.2189



29.0114, 31.3489, 50.8048



33.2990, 31.3489, 46.4409

Sweetspot

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



30.5958, 31.3503, 21.5786



64.7181, 67.7506, 65.4710



27.7653, 23.3869, 27.7334



14.2813, 14.9358, 14.1508



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.



30.5958, 31.3503, 21.5786



52.9291, 53.6614, 32.2884



33.3010, 38.1286, 22.7444



7.8890, 8.2580, 7.9674



15.6993, 13.2958, 1.7389



0.4302, 0.4199, 0.0584

Inverse Universe

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



23.9594, 25.2184, 41.6351



38.8666, 40.6734, 74.8041



21.8078, 20.0216, 40.7454



7.3712, 7.7793, 9.5314



6.9385, 5.3373, 28.6400



0.2193, 0.2308, 0.7136

Previews

White Background



This preview shows how the XYZ color 30.5950, 31.3489, 21.5780 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 30.5950, 31.3489, 21.5780 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 30.5950, 31.3489, 21.5780

Background



This preview shows how black text looks on a background with the XYZ color 30.5950, 31.3489, 21.5780.



This preview shows how white text looks on a background with the XYZ color 30.5950, 31.3489,

21.5780.

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

30.5950, 31.3489, 21.5780

Protanopia

29.4583, 31.4698, 21.9744

Deuteranopia

31.9688, 31.3547, 21.8199



Tritanopia

33.3452, 31.3117, 35.2966

Trichromacy



Original Color

30.5950, 31.3489, 21.5780

Protanomaly

29.9134, 31.4645, 21.9494

Deuteranomaly

31.4427, 31.3133, 21.8396

Tritanomaly

32.3949, 31.3950, 29.9436

Monochromacy



Original Color

30.5950, 31.3489, 21.5780

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0983, 31.3976, 29.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5950, 31.3489, 21.5780 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(170, 149, 118)` looks like.

```
.text, #text, p{  
    color:rgb(170, 149, 118)  
}
```

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(170, 149, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 149, 118) }
```

Border

The CSS property to change the border of an element to XYZ 30.5950, 31.3489, 21.5780 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(170, 149, 118) }
```


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

```
.border{ border-color:rgb(170, 149, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 149, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 149, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 149, 118);  
box-shadow:4px 4px 4px 4px rgb(170, 149,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5950, 31.3489, 21.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 149, 118) }
```

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

```
.background{ background-color: rgb(170,  
149, 118) }
```

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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