

Converting Colors

XYZ(30.2348, 32.0046, 31.4621)

Have a look what the booklet for
XYZ(30.2348, 32.0046, 31.4621)
contains.

XYZ(30.2124, 31.8947, 31.3520)	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(30.2124, 31.8947,
31.3520)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9991
RGB	156, 153, 145
RGB Percent	61%, 60%, 57%
CMY	0.3882, 0.4000, 0.4314
CMYK	0.00, 0.02, 0.07, 0.39
HSL	44°, 5%, 59%
HSV	44°, 7%, 61%
XYZ	30.2124, 31.8947, 31.3520
YIQ	152.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

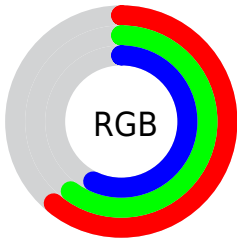
Format	Color
RYB	149, 156, 145
Decimal	10262929
CIELab	63.26, -0.39, 4.58
CIELCh	63, 4.596, 94.814
Yxy	31.8947, 0.3233, 0.3413
Android (android.graphics.Color)	4288453009 (0xFF9C9991)
YUV	152.9850, -3.9366, 2.6442
Hunter-Lab	56.4754, -3.3406, 6.6183

Details

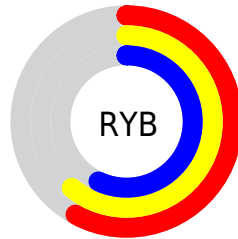
The XYZ color **30.2124, 31.8947, 31.3520** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.2678, 29.5995, 35.6764**, and the grayscale version is **30.2877, 31.8651, 34.7010**.

A 20% lighter version of the original color is **59.2000, 62.4508, 62.9669**, and **12.6426, 13.3322, 12.7335** is the 20% darker color. If you saturate the color by 10%, you get **28.4081, 30.0805, 25.2178**, and if you desaturate by 10%, it is **32.2085, 33.8274, 38.3659**.

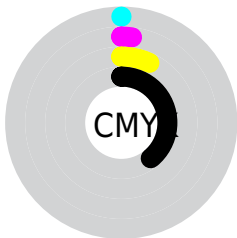
Distribution



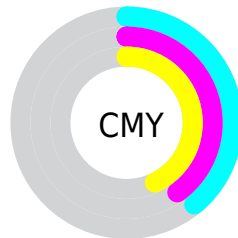
- Red (61%)
- Green (60%)
- Blue (57%)



- Red (58%)
- Yellow (61%)
- Blue (57%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2124, 31.8947, 31.3520 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 30.2124, 31.8947, 31.3520 by changing the saturation by 10% instead.

■ 30.2124, 31.8947,
31.3520

■ 30.2124, 31.8947,
31.3520

294.7853,
310.6393, 322.5580

■ 20.1487, 21.2811,
20.6063

■ 59.3822, 62.6460,
62.8799

■ 12.6121, 13.3296,
12.6481

■ 79.2191, 83.5524,
84.4992

■ 7.2371, 7.6559,
7.0588

103.0445,
108.6586, 110.5801

■ 3.6585, 3.8756,
3.4199

131.2236,
138.3489, 141.5412

■ 1.5108, 1.6042,
1.3128

164.1219,
173.0077, 177.8010

■ 0.3332, 0.3604,
0.0723

202.1047,

■ 0.0000, 0.0000,

213.0195, 219.7780

0.0000

245.5374,
258.7685, 267.8908

■ 30.2124, 31.8947,
31.3520

■ 30.2124, 31.8947,
31.3520

■ 28.4081, 30.0805,
25.2178

■ 32.2085, 33.8274,
38.3659

■ 26.7859, 28.3774,
19.9259

■ 34.4003, 35.8773,
46.2908

■ 25.3395, 26.7833,
15.4392

■ 36.7949, 38.0489,
55.1588

■ 24.0607, 25.2948,
11.7173

■ 39.3982, 40.3448,
65.0001

■ 22.9410, 23.9080,
8.7159

■ 42.2160, 42.7677,
75.8432

■ 21.9709, 22.6185,
6.3863

■ 45.2535, 45.3201,
87.7158

■ 21.1397, 21.4217,
4.6737

■ 48.5162, 48.0046,
100.6443

■ 20.4350, 20.3122,
3.5148

■ 49.5331, 49.8331,
101.6158

■ 19.8375, 19.2818,
2.8083

■ 50.4483, 51.6637,
101.9209

Harmonies

Analogous

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



30.8386, 31.8947, 31.6526



30.2124, 31.8947, 31.3520



29.6218, 31.8947, 31.9298

Triad

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



30.2124, 31.8947, 31.3520



29.3215, 31.8947, 36.7670



31.4357, 31.8947, 36.2405

Complementary

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



30.2124, 31.8947, 31.3520



28.2678, 29.5995, 35.6764

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.



31.0188, 31.8947, 37.6849



30.2124, 31.8947, 31.3520



29.7973, 31.8947, 37.9962

Square

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



30.2124, 31.8947, 31.3520



29.1121, 31.8947, 35.0228



30.4177, 31.8947, 38.3378



31.5505, 31.8947, 34.4347

Rectangle

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



30.2124, 31.8947, 31.3520



29.3260, 31.8947, 32.7477



30.4177, 31.8947, 38.3378



31.3259, 31.8947, 36.7864

Sweetspot

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



30.2133, 31.8961, 31.3527



56.6474, 59.6629, 63.1250



29.1907, 29.4610, 32.2139



12.4747, 13.1379, 13.9248



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



30.2133, 31.8961, 31.3527



54.4954, 57.5562, 55.6335



30.2534, 32.6542, 31.4969



7.0172, 7.4144, 7.0469



16.2322, 15.7001, 2.1749



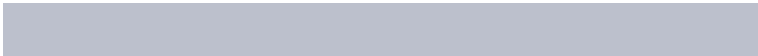
0.3231, 0.3465, 0.0498

Inverse Universe

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



28.2678, 29.5995, 35.6764



50.4369, 52.7655, 64.6532



28.2281, 28.8901, 35.5415



6.4245, 6.7148, 8.3642



5.6654, 3.4223, 26.2692



0.1336, 0.1259, 0.4805

Previews

White Background



This preview shows how the XYZ color 30.2124, 31.8947, 31.3520 looks on a white background.

Color Contrast Check

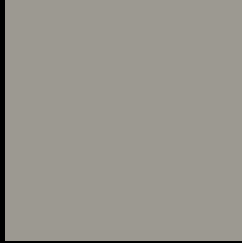
Large Text (above 18pt) WCAG AA × Fail

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 30.2124, 31.8947, 31.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

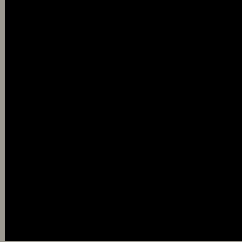
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.2124, 31.8947, 31.3520

Background



This preview shows how black text looks on a background with the XYZ color 30.2124, 31.8947, 31.3520.



This preview shows how white text looks on a background with the XYZ color 30.2124, 31.8947,

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

30.2124, 31.8947, 31.3520

Protanopia

30.4396, 31.7699, 31.3159

Deuteranopia

32.3558, 31.8012, 31.6270



Tritanopia

31.7260, 31.7923, 38.6468

Trichromacy



Original Color

30.2124, 31.8947, 31.3520

Protanomaly

30.2437, 31.6689, 31.3068

Deuteranomaly

31.6117, 31.8873, 31.6829

Tritanomaly

31.1679, 31.8026, 35.9483

Monochromacy



Original Color

30.2124, 31.8947, 31.3520

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2227, 31.8545, 33.4098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2124, 31.8947, 31.3520 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(156, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(156, 153, 145)  
}
```

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(156, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 153, 145) }
```

Border

The CSS property to change the border of an element to XYZ 30.2124, 31.8947, 31.3520 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(156, 153, 145) }
```


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

```
.border{ border-color:rgb(156, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 153, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 153, 145);  
box-shadow:4px 4px 4px 4px rgb(156, 153,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2124, 31.8947, 31.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 153, 145) }
```

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

```
.background{ background-color: rgb(156,  
153, 145) }
```

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