

Converting Colors

XYZ(31.3521, 33.3121, 32.3952)

Have a look what the booklet for
XYZ(31.3521, 33.3121, 32.3952)
contains.

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Color

**XYZ(31.2555, 33.1526,
32.3555)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9C93
RGB	158, 156, 147
RGB Percent	62%, 61%, 58%
CMY	0.3804, 0.3882, 0.4235
CMYK	0.00, 0.01, 0.07, 0.38
HSL	49°, 5%, 60%
HSV	49°, 7%, 62%
XYZ	31.2555, 33.1526, 32.3555
YIQ	155.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

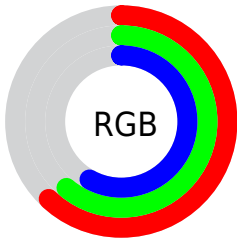
Format	Color
RYB	149, 158, 147
Decimal	10394771
CIELab	64.28, -0.94, 4.96
CIELCh	64, 5.046, 100.692
Yxy	33.1526, 0.3230, 0.3426
Android (android.graphics.Color)	4288584851 (0xFF9E9C93)
YUV	155.5720, -4.2260, 2.1294
Hunter-Lab	57.5783, -3.8660, 6.9874

Details

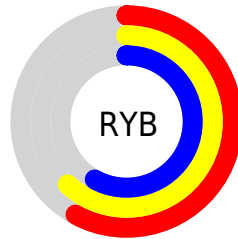
The XYZ color **31.2555, 33.1526, 32.3555** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.9517, 30.1662, 36.6450**, and the grayscale version is **31.4270, 33.0637, 36.0064**.

A 20% lighter version of the original color is **61.0298, 64.4564, 64.4830**, and **13.2263, 14.0735, 13.0857** is the 20% darker color. If you saturate the color by 10%, you get **29.6245, 31.7401, 26.1093**, and if you desaturate by 10%, it is **33.0701, 34.6589, 39.5039**.

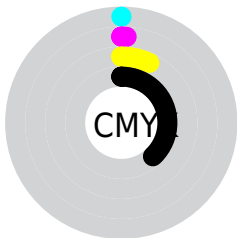
Distribution



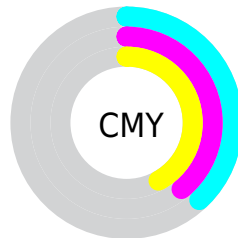
- Red (62%)
- Green (61%)
- Blue (58%)



- Red (58%)
- Yellow (62%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (38%)



- Cyan (38%)
- Magenta (39%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2555, 33.1526, 32.3555 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 31.2555, 33.1526, 32.3555 by changing the saturation by 10% instead.

■ 31.2555, 33.1526,
32.3555

■ 31.2555, 33.1526,
32.3555

299.5196,
316.3368, 327.2780

■ 20.9463, 22.2434,
21.3661

■ 61.0152, 64.6137,
64.4724

■ 13.1970, 14.0358,
13.1980

■ 81.1964, 85.9344,
86.4369

■ 7.6423, 8.1456,
7.4327

105.3990,
111.4943, 112.8969

■ 3.9168, 4.1883,
3.6516

133.9882,
141.6779, 144.2710

■ 1.6552, 1.7794,
1.4363

167.3296,
176.8695, 180.9775

■ 0.4280, 0.4743,
0.1698

205.7883,

■ 0.0000, 0.0000,

217.4537, 223.4352

0.0000

249.7299,
263.8146, 272.0625

■ 31.2555, 33.1526,
32.3555

■ 31.2555, 33.1526,
32.3555

■ 29.6245, 31.7401,
26.1093

■ 33.0701, 34.6589,
39.5039

■ 28.1673, 30.4140,
20.7268

■ 35.0720, 36.2574,
47.5866

■ 26.8774, 29.1729,
16.1699

■ 37.2685, 37.9522,
56.6369

■ 25.7467, 28.0132,
12.3967

■ 39.6654, 39.7457,
66.6856

■ 24.7666, 26.9315,
9.3619

■ 42.2685, 41.6403,
77.7623

■ 23.9275, 25.9237,
7.0152

■ 45.0831, 43.6384,
89.8953

■ 23.2186, 24.9855,
5.3002

■ 47.6928, 45.5734,
100.8906

■ 22.6273, 24.1116,
4.1516

■ 48.2617, 46.7110,
101.0802

■ 22.1343, 23.2942,
3.4675

■ 48.8425, 47.8726,
101.2738

Harmonies

Analogous

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



31.9686, 33.1526, 32.4984



31.2555, 33.1526, 32.3555



30.6203, 33.1526, 33.1861

Triad

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



31.2555, 33.1526, 32.3555



30.4769, 33.1526, 38.7332



32.8295, 33.1526, 37.4187

Complementary

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



31.2555, 33.1526, 32.3555



28.9517, 30.1662, 36.6450

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.



32.4179, 33.1526, 39.1745



31.2555, 33.1526, 32.3555



31.0569, 33.1526, 39.9530

Square

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



31.2555, 33.1526, 32.3555



30.1753, 33.1526, 36.8349



31.7670, 33.1526, 40.1175



32.8846, 33.1526, 35.3701

Rectangle

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



31.2555, 33.1526, 32.3555



30.3237, 33.1526, 34.1993



31.7670, 33.1526, 40.1175



32.7279, 33.1526, 38.0648

Sweetspot

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



31.2564, 33.1540, 32.3562



58.3401, 61.5312, 64.9394



29.9609, 30.3075, 32.7120



13.1616, 13.8795, 14.6754



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.2564, 33.1540, 32.3562



56.3897, 59.8915, 57.3183



30.9188, 33.4816, 32.4372



7.0677, 7.5154, 7.0638



17.6395, 18.5146, 2.6440



0.3398, 0.3799, 0.0554

Inverse Universe

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



28.9517, 30.1662, 36.6450



51.5250, 53.5850, 66.3707



29.2726, 29.8665, 36.5702



6.3773, 6.6204, 8.3484



5.3106, 2.7127, 26.1509



0.1185, 0.0957, 0.4754

Previews

White Background



This preview shows how the XYZ color 31.2555, 33.1526, 32.3555 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 31.2555, 33.1526, 32.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

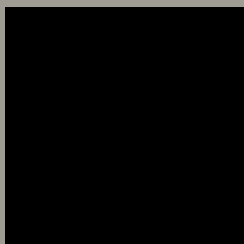
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

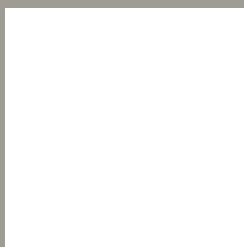
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2555, 33.1526, 32.3555

Background



This preview shows how black text looks on a background with the XYZ color 31.2555, 33.1526, 32.3555.



This preview shows how white text looks on a background with the XYZ color 31.2555, 33.1526,

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

31.2555, 33.1526, 32.3555

Protanopia

31.6857, 33.1263, 32.3278

Deuteranopia

33.7072, 32.9495, 32.6003



Tritanopia

32.8807, 33.0761, 40.2486

Trichromacy



Original Color

31.2555, 33.1526, 32.3555

Protanomaly

31.4850, 33.0229, 32.3184

Deuteranomaly

32.7220, 32.9194, 32.6464

Tritanomaly

32.2244, 33.0534, 37.0293

Monochromacy



Original Color

31.2555, 33.1526, 32.3555

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5429, 33.2449, 34.8914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2555, 33.1526, 32.3555 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(158, 156, 147)` looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 147)  
}
```

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(158, 156, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.2555, 33.1526, 32.3555 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(158, 156, 147) }
```


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

```
.border{ border-color:rgb(158, 156, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 147);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2555, 33.1526, 32.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 147) }
```

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

```
.background{ background-color: rgb(158,  
156, 147) }
```

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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