

Converting Colors

XYZ(30.8764, 32.8017, 36.0282)

Have a look what the booklet for
XYZ(30.8764, 32.8017, 36.0282)
contains.

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Color

**XYZ(31.0261, 32.9495,
36.1771)**

Conversions

Conversions Part 1

Format	Color
Hex	999C9C
RGB	153, 156, 156
RGB Percent	60%, 61%, 61%
CMY	0.4000, 0.3882, 0.3882
CMYK	0.02, 0.00, 0.00, 0.39
HSL	180°, 1%, 61%
HSV	180°, 2%, 61%
XYZ	31.0261, 32.9495, 36.1771
YIQ	155.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

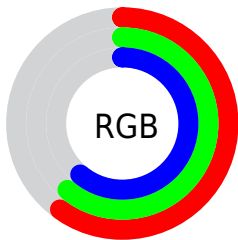
Format	Color
RYB	153, 155, 156
Decimal	10067100
CIELab	64.12, -1.07, -0.38
CIElCh	64, 1.141, 199.706
Yxy	32.9495, 0.3098, 0.3290
Android (android.graphics.Color)	4288257180 (0xFF999C9C)
YUV	155.1030, 0.4422, -1.8443
Hunter-Lab	57.4017, -3.9721, 2.8139

Details

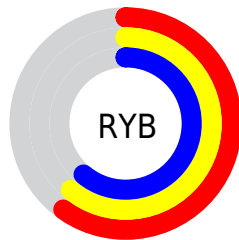
The XYZ color **31.0261, 32.9495, 36.1771** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8525, 32.1512, 34.7184**, and the grayscale version is **31.2007, 32.8256, 35.7471**.

A 20% lighter version of the original color is **60.4116, 64.0117, 70.1442**, and **13.0809, 13.9479, 15.3674** is the 20% darker color. If you saturate the color by 10%, you get **28.2712, 31.5303, 36.0431**, and if you desaturate by 10%, it is **34.1679, 34.5699, 36.3306**.

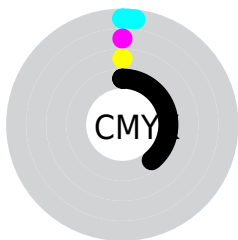
Distribution



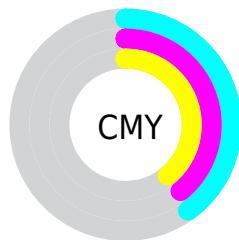
- Red (60%)
- Green (61%)
- Blue (61%)



- Red (60%)
- Yellow (61%)
- Blue (61%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0261, 32.9495, 36.1771 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 31.0261, 32.9495, 36.1771 by changing the saturation by 10% instead.

■ 31.0261, 32.9495,
36.1771

■ 31.0261, 32.9495,
36.1771

298.4833,
315.4221, 344.7947

■ 20.7706, 22.0878,
24.2802

■ 60.6567, 64.2967,
70.4774

■ 13.0680, 13.9214,
15.3275

■ 80.7626, 85.5509,
93.7180

■ 7.5527, 8.0660,
8.9004

104.8827,
111.0381, 121.5769

■ 3.8595, 4.1372,
4.5803

133.3823,
141.1426, 154.4726

■ 1.6229, 1.7506,
1.9488

166.6268,
176.2489, 192.8237

■ 0.4073, 0.4561,
0.5235

204.9816,

■ 0.0000, 0.0000,

216.7413, 237.0487

0.0000

248.8119,
263.0042, 287.5662

■ 31.0261, 32.9495,
36.1771

■ 31.0261, 32.9495,
36.1771

■ 28.2712, 31.5303,
36.0431

■ 34.1679, 34.5699,
36.3306

■ 25.8855, 30.3006,
35.9256

■ 37.7077, 36.3947,
36.5021

■ 23.8543, 29.2536,
35.8248

■ 41.6599, 38.4320,
36.6928

■ 22.1605, 28.3806,
35.7397

■ 46.0371, 40.6884,
36.9034

■ 20.7860, 27.6721,
35.6696

■ 50.8515, 43.1701,
37.1346

■ 19.7106, 27.1179,
35.6135

■ 56.1147, 45.8833,
37.3867

■ 18.9122, 26.7064,
35.5703

■ 59.1377, 47.4416,
37.5339

■ 18.3654, 26.4246,
35.5390

■ 59.1388, 47.4420,
37.5398

■ 18.0400, 26.2570,
35.5179

■ 59.1399, 47.4425,
37.5456

Harmonies

Analogous

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



31.0130, 32.9495, 35.7177



31.0261, 32.9495, 36.1771



31.1171, 32.9495, 36.5590

Triad

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



31.0261, 32.9495, 36.1771



31.5549, 32.9495, 36.4546



31.3730, 32.9495, 35.0085

Complementary

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



31.0261, 32.9495, 36.1771



30.8525, 32.1512, 34.7184

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.



31.5187, 32.9495, 35.2024



31.0261, 32.9495, 36.1771



31.6240, 32.9495, 36.0355

Square

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



31.0261, 32.9495, 36.1771



31.4223, 32.9495, 36.7201



31.6107, 32.9495, 35.5774



31.2129, 32.9495, 35.0457

Rectangle

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



31.0261, 32.9495, 36.1771



31.2099, 32.9495, 36.7169



31.6107, 32.9495, 35.5774



31.4253, 32.9495, 35.0488

Sweetspot

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



31.0270, 32.9509, 36.1778



56.8380, 60.0963, 65.7297



30.7855, 32.8554, 34.8567



12.5142, 13.2276, 14.4638



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.



31.0270, 32.9509, 36.1778



56.2896, 59.8135, 65.7030



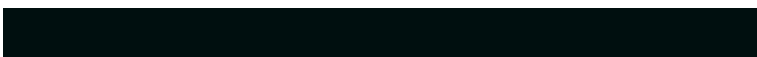
30.7852, 32.4669, 36.0983



7.3112, 7.7618, 8.5193



14.7262, 21.5584, 29.2448



0.2634, 0.3855, 0.5233

Inverse Universe

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



30.8525, 32.1512, 34.7184



55.9540, 58.2754, 62.8959



31.0913, 32.6291, 34.7969



7.2716, 7.5805, 8.1885



11.2938, 5.8221, 0.5320



0.2020, 0.1041, 0.0098

Previews

White Background



This preview shows how the XYZ color 31.0261, 32.9495, 36.1771 looks on a white background.

Color Contrast Check

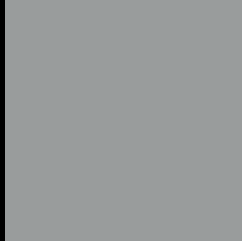
Large Text (above 18pt) WCAG AA × Fail

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 31.0261, 32.9495, 36.1771 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

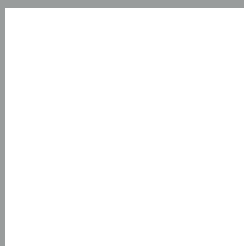
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0261, 32.9495, 36.1771

Background



This preview shows how black text looks on a background with the XYZ color 31.0261, 32.9495, 36.1771.



This preview shows how white text looks on a background with the XYZ color 31.0261, 32.9495,

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

31.0261, 32.9495, 36.1771

Protanopia

31.7383, 33.0783, 35.7223

Deuteranopia

33.3543, 32.6820, 36.4486



Tritanopia

32.0482, 32.8698, 41.2146

Trichromacy



Original Color

31.0261, 32.9495, 36.1771

Protanomaly

31.3480, 32.8772, 35.7041

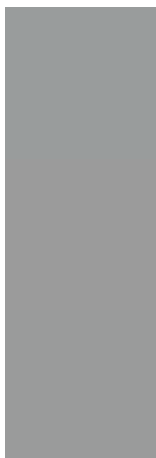
Deuteranomaly

32.4183, 32.6773, 36.4970

Tritanomaly

31.6586, 32.9571, 39.3431

Monochromacy



Original Color

31.0261, 32.9495, 36.1771

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9642, 32.6793, 35.6861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0261, 32.9495, 36.1771 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(153, 156, 156) looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 31.0261, 32.9495, 36.1771 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(153, 156, 156) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 31.0261, 32.9495, 36.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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