

Converting Colors

XYZ(31.1229, 32.8776, 35.0805)

Have a look what the booklet for
XYZ(31.1229, 32.8776, 35.0805)
contains.

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Color

**XYZ(31.0716, 32.7443,
35.2545)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9B9A
RGB	155, 155, 154
RGB Percent	61%, 61%, 60%
CMY	0.3922, 0.3921, 0.3961
CMYK	0.00, 0.00, 0.01, 0.39
HSL	60°, 0%, 61%
HSV	60°, 1%, 61%
XYZ	31.0716, 32.7443, 35.2545
YIQ	154.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

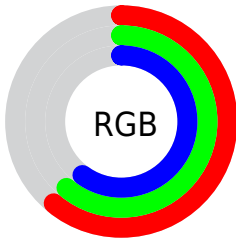
Format	Color
RYB	154, 155, 154
Decimal	10197914
CIELab	63.95, -0.19, 0.52
CIELCh	64, 0.549, 110.026
Yxy	32.7443, 0.3136, 0.3305
Android (android.graphics.Color)	4288387994 (0xFF9B9B9A)
YUV	154.8860, -0.4368, 0.1000
Hunter-Lab	57.2226, -3.2150, 3.5277

Details

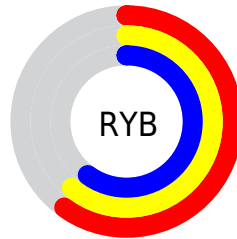
The XYZ color **31.0716, 32.7443, 35.2545** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7997, 32.3487, 35.6326**, and the grayscale version is **31.1078, 32.7278, 35.6406**.

A 20% lighter version of the original color is **60.4801, 63.7103, 68.7842**, and **13.1074, 13.8230, 14.8092** is the 20% darker color. If you saturate the color by 10%, you get **29.8549, 32.2577, 28.8881**, and if you desaturate by 10%, it is **32.4569, 33.3005, 42.5004**.

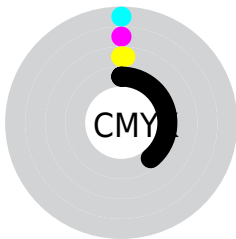
Distribution



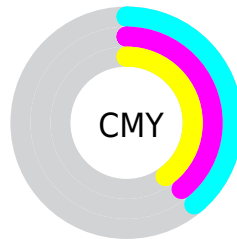
- Red (61%)
- Green (61%)
- Blue (60%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0716, 32.7443, 35.2545 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 31.0716, 32.7443, 35.2545 by changing the saturation by 10% instead.

■ 31.0716, 32.7443,
35.2545

■ 31.0716, 32.7443,
35.2545

298.6890,
314.4960, 340.6286

■ 20.8055, 21.9306,
23.5739

■ 60.7279, 63.9761,
69.0359

■ 13.0935, 13.8059,
14.8085

■ 80.8487, 85.1630,
91.9737

■ 7.5704, 7.9858,
8.5400

104.9851,
110.5765, 119.5010

■ 3.8708, 4.0859,
4.3497

133.5026,
140.6010, 152.0363

■ 1.6293, 1.7217,
1.8191

166.7663,
175.6207, 189.9982

■ 0.4114, 0.4377,
0.4405

205.1417,

■ 0.0000, 0.0000,

216.0202, 233.8052

0.0000

248.9942,
262.1838, 283.8758

■ 31.0716, 32.7443,
35.2545

■ 31.0716, 32.7443,
35.2545

■ 29.8549, 32.2577,
28.8881

■ 32.4569, 33.3005,
42.5004

■ 28.7976, 31.8338,
23.3658

■ 34.0141, 33.9243,
50.6553

■ 27.8941, 31.4714,
18.6527

■ 35.7497, 34.6196,
59.7499

■ 27.1370, 31.1675,
14.7108

■ 37.6692, 35.3884,
69.8128

■ 26.5186, 30.9192,
11.4992

■ 39.7778, 36.2328,
80.8714

■ 26.0303, 30.7229,
8.9729

■ 42.0805, 37.1549,
92.9522

■ 25.6628, 30.5749,
7.0822

■ 43.3501, 37.6637,
99.5928

■ 25.4052, 30.4708,
5.7706

■ 43.3587, 37.6682,
99.5932

■ 25.2450, 30.4057,
4.9717

■ 43.3674, 37.6726,
99.5936

Harmonies

Analogous

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



31.1482, 32.7443, 35.2353



31.0716, 32.7443, 35.2545



31.0087, 32.7443, 35.3802

Triad

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



31.0716, 32.7443, 35.2545



31.0271, 32.7443, 35.9802



31.2691, 32.7443, 35.7268

Complementary

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



31.0716, 32.7443, 35.2545



30.7997, 32.3487, 35.6326

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.



31.2365, 32.7443, 35.9272



31.0716, 32.7443, 35.2545



31.0967, 32.7443, 36.0739

Square

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



31.0716, 32.7443, 35.2545



30.9830, 32.7443, 35.7990



31.1734, 32.7443, 36.0544



31.2623, 32.7443, 35.5074

Rectangle

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



31.0716, 32.7443, 35.2545



30.9830, 32.7443, 35.5078



31.1734, 32.7443, 36.0544



31.2624, 32.7443, 35.7986

Sweetspot

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



31.0725, 32.7457, 35.2552



55.7959, 58.7016, 63.9261



30.9069, 32.4137, 35.1998



12.6291, 13.2868, 14.4694



74.8435, 78.7412, 85.7492

Same Dimension

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



31.0725, 32.7457, 35.2552



55.5581, 58.6063, 62.6822



30.9771, 32.6965, 35.2507



6.9345, 7.3131, 7.8354



20.2036, 24.3912, 3.6431



0.3025, 0.3649, 0.0545

Inverse Universe

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



30.7997, 32.3487, 35.6326



54.7899, 57.4884, 63.7449



30.8948, 32.3977, 35.6370



6.8478, 7.1870, 7.9553



4.7572, 1.9035, 25.0244



0.0715, 0.0287, 0.3741

Previews

White Background



This preview shows how the XYZ color 31.0716, 32.7443, 35.2545 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 31.0716, 32.7443, 35.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

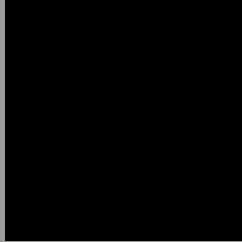
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

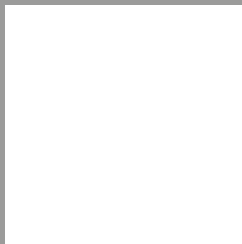
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0716, 32.7443, 35.2545

Background



This preview shows how black text looks on a background with the XYZ color 31.0716, 32.7443, 35.2545.



This preview shows how white text looks on a background with the XYZ color 31.0716, 32.7443,

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

31.0716, 32.7443, 35.2545

Protanopia

31.4889, 32.7134, 35.2265

Deuteranopia

33.4003, 32.7253, 35.5666



Tritanopia

32.0874, 32.6672, 40.2115

Trichromacy



Original Color

31.0716, 32.7443, 35.2545

Protanomaly

31.2930, 32.6124, 35.2174

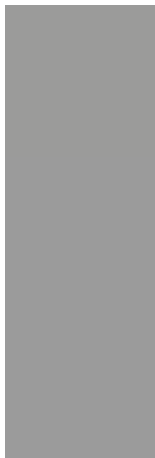
Deuteranomaly

32.6617, 32.8224, 35.6242

Tritanomaly

31.6989, 32.7523, 38.3693

Monochromacy



Original Color

31.0716, 32.7443, 35.2545

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1553, 32.7778, 35.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0716, 32.7443, 35.2545 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(155, 155, 154)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 154)  
}
```

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(155, 155, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.0716, 32.7443, 35.2545 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(155, 155, 154) }
```

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

```
.border{ border-color:rgb(155, 155, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 155, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 155, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 155, 154);  
box-shadow:4px 4px 4px 4px rgb(155, 155,  
154) }
```


Background

The CSS property to change the background color of an element to XYZ 31.0716, 32.7443, 35.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 154) }
```

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

```
.background{ background-color: rgb(155,  
155, 154) }
```

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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