

Converting Colors

XYZ(29.8292, 31.3220, 34.5553)

Have a look what the booklet for
XYZ(29.8292, 31.3220, 34.5553)
contains.

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Color

**XYZ(29.9269, 31.4318,
34.6266)**

Conversions

Conversions Part 1

Format	Color
Hex	989899
RGB	152, 152, 153
RGB Percent	60%, 60%, 60%
CMY	0.4039, 0.4039, 0.4000
CMYK	0.01, 0.01, 0.00, 0.40
HSL	240°, 0%, 60%
HSV	240°, 1%, 60%
XYZ	29.9269, 31.4318, 34.6266
YIQ	152.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
RYB	152, 152, 153
Decimal	10000537
CIELab	62.87, 0.20, -0.53
CIELCh	63, 0.567, 290.327
Yxy	31.4318, 0.3118, 0.3275
Android (android.graphics.Color)	4288190617 (0xFF989899)
YUV	152.1140, 0.4368, -0.1000
Hunter-Lab	56.0641, -2.8291, 2.6258

Details

The XYZ color **29.9269, 31.4318, 34.6266** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1956, 31.8213, 34.2568**, and the grayscale version is **29.8933, 31.4500, 34.2491**.

A 20% lighter version of the original color is **58.7874, 61.7694, 67.8557**, and **12.4188, 13.0334, 14.4315** is the 20% darker color. If you saturate the color by 10%, you get **24.9271, 25.4124, 33.7287**, and if you desaturate by 10%, it is **35.6165, 38.2814, 35.6493**.

Distribution



Red (60%)

Green (60%)

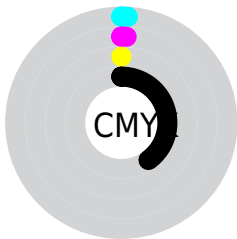
Blue (60%)



Red (60%)

Yellow (60%)

Blue (60%)



Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9269, 31.4318, 34.6266 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 29.9269, 31.4318, 34.6266 by changing the saturation by 10% instead.

■ 29.9269, 31.4318,
34.6266

■ 29.9269, 31.4318,
34.6266

293.4795,
308.5227, 337.7711

■ 19.9309, 20.9279,
23.0941

■ 58.9340, 61.9193,
68.0519

■ 12.4528, 13.0713,
14.4571

■ 78.6758, 82.6716,
90.7818

■ 7.1272, 7.4777,
8.2969

102.3969,
107.6088, 118.0813

■ 3.5888, 3.7626,
4.1950

130.4626,
137.1154, 150.3689

■ 1.4723, 1.5417,
1.7329

163.2384,
171.5757, 188.0631

■ 0.3068, 0.3178,
0.3832

201.0896,

■ 0.0000, 0.0000,

211.3741, 231.5826

0.0000

244.3815,
256.8949, 281.3457

■ 29.9269, 31.4318,
34.6266

■ 29.9269, 31.4318,
34.6266

■ 24.9271, 25.4124,
33.7287

■ 35.6165, 38.2814,
35.6493

■ 20.5883, 20.1879,
32.9490

■ 42.0178, 45.9869,
36.7992

■ 16.8837, 15.7263,
32.2831

■ 49.1553, 54.5778,
38.0813

■ 13.7836, 11.9919,
31.7256

■ 57.0513, 64.0810,
39.4994

■ 11.2559, 8.9462,
31.2710

■ 65.7272, 74.5223,
41.0575

■ 9.2656, 6.5471,
30.9128

■ 75.2037, 85.9265,
42.7593

■ 7.7738, 4.7479,
30.6442

■ 82.7499, 95.0799,
44.1283

■ 6.7366, 3.4958,
30.4571

■ 6.1021, 2.7287,
30.3425

Harmonies

Analogous

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



29.8499, 31.4318, 34.6473



29.9269, 31.4318, 34.6266



29.9901, 31.4318, 34.4977

Triad

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



29.9269, 31.4318, 34.6266



29.9704, 31.4318, 33.8957



29.7280, 31.4318, 34.1521

Complementary

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



29.9269, 31.4318, 34.6266



30.1956, 31.8213, 34.2568

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.



29.7602, 31.4318, 33.9515



29.9269, 31.4318, 34.6266



29.9001, 31.4318, 33.8039

Square

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



29.9269, 31.4318, 34.6266



30.0153, 31.4318, 34.0755



29.8231, 31.4318, 33.8243



29.7351, 31.4318, 34.3727

Rectangle

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



29.9269, 31.4318, 34.6266



30.0159, 31.4318, 34.3681



29.8231, 31.4318, 33.8243



29.7346, 31.4318, 34.0801

Sweetspot

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



29.9278, 31.4331, 34.6273



54.2243, 57.0482, 62.1254



30.0890, 31.7577, 34.6742



11.9732, 12.5967, 13.7178



72.9764, 76.7769, 83.6100

Same Dimension

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



29.9278, 31.4331, 34.6273



53.2472, 55.8718, 61.9499



30.0180, 31.4790, 34.6314



6.8478, 7.1872, 7.9553



4.7564, 1.9094, 25.0256



0.0714, 0.0292, 0.3742

Inverse Universe

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



30.0333, 31.4963, 34.2039



53.5412, 56.0479, 60.7696



30.1050, 31.7753, 34.2527



6.8820, 7.2077, 7.8182



10.8596, 5.5981, 0.5195



0.1625, 0.0838, 0.0086

Previews

White Background



This preview shows how the XYZ color 29.9269, 31.4318, 34.6266 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 29.9269, 31.4318, 34.6266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

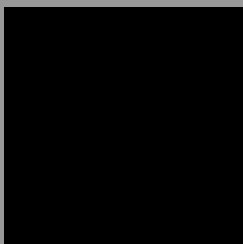
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

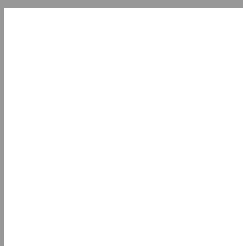
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9269, 31.4318, 34.6266

Background



This preview shows how black text looks on a background with the XYZ color 29.9269, 31.4318, 34.6266.



This preview shows how white text looks on a background with the XYZ color 29.9269, 31.4318,

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

29.9269, 31.4318, 34.6266

Protanopia

30.1428, 31.3031, 34.5904

Deuteranopia

31.9923, 31.3075, 34.9286



Tritanopia

30.7251, 31.5142, 38.6459

Trichromacy



Original Color

29.9269, 31.4318, 34.6266

Protanomaly

29.9532, 31.2054, 34.5815

Deuteranomaly

31.2781, 31.4051, 34.9851

Tritanomaly

30.4615, 31.4087, 37.2579

Monochromacy



Original Color

29.9269, 31.4318, 34.6266

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8446, 31.3989, 34.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9269, 31.4318, 34.6266 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(152, 152, 153)` looks like.

```
.text, #text, p{  
    color:rgb(152, 152, 153)  
}
```

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(152, 152, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 152, 153) }
```

Border

The CSS property to change the border of an element to XYZ 29.9269, 31.4318, 34.6266 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(152, 152, 153) }
```

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

```
.border{ border-color:rgb(152, 152, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 152, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 152, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 152, 153);  
box-shadow:4px 4px 4px 4px rgb(152, 152,  
153) }
```


Background

The CSS property to change the background color of an element to XYZ 29.9269, 31.4318, 34.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 152, 153) }
```

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

```
.background{ background-color: rgb(152,  
152, 153) }
```

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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