

Converting Colors

XYZ(29.1005, 31.0963, 37.1445)

Have a look what the booklet for
XYZ(29.1005, 31.0963, 37.1445)
contains.

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Color

**XYZ(29.1508, 31.2150,
37.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	90999F
RGB	144, 153, 159
RGB Percent	56%, 60%, 62%
CMY	0.4353, 0.4000, 0.3765
CMYK	0.09, 0.04, 0.00, 0.38
HSL	204°, 7%, 59%
HSV	204°, 9%, 62%
XYZ	29.1508, 31.2150, 37.2896
YIQ	150.9930, -7.2900, -0.0420

Conversions

Conversions Part 2

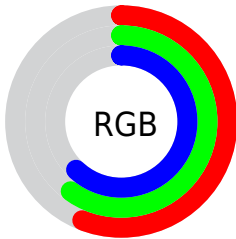
Format	Color
R_{YB}	144, 150, 159
Decimal	9476511
CIE Lab	62.69, -1.99, -4.26
CIE LCh	63, 4.699, 244.996
Yxy	31.2150, 0.2985, 0.3196
Android (android.graphics.Color)	4287666591 (0xFF90999F)
YUV	150.9930, 3.9475, -6.1329
Hunter-Lab	55.8704, -4.6394, -0.4627

Details

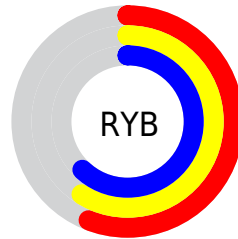
The XYZ color **29.1508, 31.2150, 37.2896** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2385, 31.1968, 30.8137**, and the grayscale version is **29.3990, 30.9301, 33.6828**.

A 20% lighter version of the original color is **57.7391, 61.4865, 72.4432**, and **12.0742, 12.9651, 16.0535** is the 20% darker color. If you saturate the color by 10%, you get **25.5542, 27.8580, 36.8317**, and if you desaturate by 10%, it is **33.1958, 34.8872, 37.7857**.

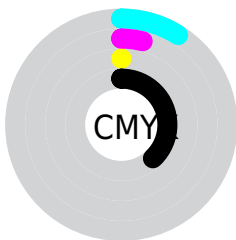
Distribution



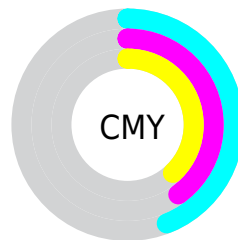
- Red (56%)
- Green (60%)
- Blue (62%)



- Red (56%)
- Yellow (59%)
- Blue (62%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (44%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1508, 31.2150, 37.2896 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 29.1508, 31.2150, 37.2896 by changing the saturation by 10% instead.

■ 29.1508, 31.2150,
37.2896

■ 29.1508, 31.2150,
37.2896

289.9072,
307.5276, 349.7690

■ 19.3398, 20.7626,
25.1343

■ 57.7125, 61.5784,
72.2093

■ 12.0215, 12.9506,
15.9572

■ 77.1939, 82.2582,
95.8107

■ 6.8306, 7.3945,
9.3398

100.6294,
107.1160, 124.0645

■ 3.4018, 3.7100,
4.8637

128.3845,
136.5361, 157.3893

■ 1.3696, 1.5127,
2.1102

160.8245,
170.9029, 196.2036

■ 0.2344, 0.2977,
0.6218

198.3147,

■ 0.0000, 0.0000,

210.6008, 240.9260

0.0000

241.2205,
256.0142, 291.9749

■ 29.1508, 31.2150,
37.2896

■ 29.1508, 31.2150,
37.2896

■ 25.5542, 27.8580,
36.8317

■ 33.1958, 34.8872,
37.7857

■ 22.3862, 24.8021,
36.4088

■ 37.7027, 38.8802,
38.3189

■ 19.6294, 22.0379,
36.0206

■ 42.6876, 43.2044,
38.8908

■ 17.2642, 19.5540,
35.6658

■ 48.1651, 47.8685,
39.5024

■ 15.2691, 17.3379,
35.3432

■ 54.1492, 52.8809,
40.1545

■ 13.6204, 15.3761,
35.0514

■ 60.6532, 58.2495,
40.8479

■ 12.2916, 13.6534,
34.7889

■ 67.5789, 63.9249,
41.5783

■ 11.2515, 12.1522,
34.5540

■ 69.0579, 66.8828,
42.0713

■ 10.4331, 10.8365,
34.3432

■ 70.5985, 69.9641,
42.5849

Harmonies

Analogous

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



28.6703, 31.2150, 36.0535



29.1508, 31.2150, 37.2896



29.7764, 31.2150, 37.6284

Triad

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



29.1508, 31.2150, 37.2896



30.9143, 31.2150, 33.6812



28.9674, 31.2150, 31.1764

Complementary

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



29.1508, 31.2150, 37.2896



30.2385, 31.1968, 30.8137

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.



29.5617, 31.2150, 30.5900



29.1508, 31.2150, 37.2896



30.6905, 31.2150, 32.0026

Square

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



29.1508, 31.2150, 37.2896



30.8005, 31.2150, 35.5024



30.1931, 31.2150, 30.8869



28.5654, 31.2150, 32.5170

Rectangle

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



29.1508, 31.2150, 37.2896



30.1930, 31.2150, 37.2898



30.1931, 31.2150, 30.8869



29.1510, 31.2150, 30.8868

Sweetspot

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



29.1517, 31.2163, 37.2903



56.7316, 60.0313, 67.3406



29.3851, 32.9200, 33.5546



12.6612, 13.4173, 15.1661



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.



29.1517, 31.2163, 37.2903



51.0061, 54.7968, 66.6320



28.0004, 28.9137, 36.9065



6.5991, 7.0640, 8.4224



8.2472, 8.5859, 27.1298



0.1880, 0.2347, 0.4986

Inverse Universe

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



30.0218, 29.6179, 34.2731



52.8432, 51.4635, 60.2520



31.4319, 33.5837, 31.2116



6.7917, 6.7096, 7.7545



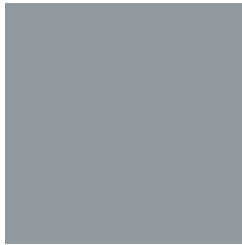
12.9610, 6.4890, 9.3115



0.2522, 0.1242, 0.2744

Previews

White Background



This preview shows how the XYZ color 29.1508, 31.2150, 37.2896 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 29.1508, 31.2150, 37.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

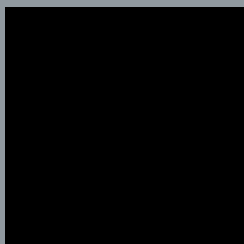
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

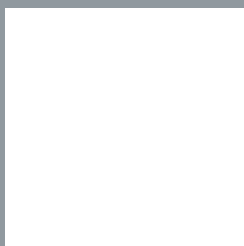
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1508, 31.2150, 37.2896

Background



This preview shows how black text looks on a background with the XYZ color 29.1508, 31.2150, 37.2896.



This preview shows how white text looks on a background with the XYZ color 29.1508, 31.2150,

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

29.1508, 31.2150, 37.2896

Protanopia

30.1871, 31.2772, 36.7938

Deuteranopia

31.6792, 31.0869, 37.5884



Tritanopia

29.6061, 31.1566, 39.5754

Trichromacy



Original Color

29.1508, 31.2150, 37.2896

Protanomaly

29.7942, 31.3147, 36.8218

Deuteranomaly

30.6102, 31.0015, 37.6283

Tritanomaly

29.4269, 31.0848, 38.6314

Monochromacy



Original Color

29.1508, 31.2150, 37.2896

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2737, 31.0855, 35.0291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1508, 31.2150, 37.2896 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(144, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(144, 153, 159)  
}
```

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(144, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 153, 159) }
```

Border

The CSS property to change the border of an element to XYZ 29.1508, 31.2150, 37.2896 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(144, 153, 159) }
```


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

```
.border{ border-color:rgb(144, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(144, 153,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1508, 31.2150, 37.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 153, 159) }
```

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

```
.background{ background-color: rgb(144,  
153, 159) }
```

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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