

Converting Colors

XYZ(28.6830, 31.1959, 30.7912)

Have a look what the booklet for
XYZ(28.6830, 31.1959, 30.7912)
contains.

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Color

**XYZ(28.6380, 31.0920,
30.8775)**

Conversions

Conversions Part 1

Format	Color
Hex	949990
RGB	148, 153, 144
RGB Percent	58%, 60%, 56%
CMY	0.4196, 0.4000, 0.4353
CMYK	0.03, 0.00, 0.06, 0.40
HSL	93°, 4%, 58%
HSV	93°, 6%, 60%
XYZ	28.6380, 31.0920, 30.8775
YIQ	150.4790, -0.0910, -3.8590

Conversions

Conversions Part 2

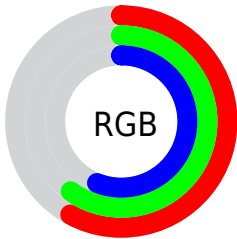
Format	Color
RYB	144, 153, 149
Decimal	9738640
CIELab	62.59, -3.53, 4.09
CIELCh	63, 5.404, 130.765
Yxy	31.0920, 0.3161, 0.3432
Android (android.graphics.Color)	4287928720 (0xFF949990)
YUV	150.4790, -3.1941, -2.1741
Hunter-Lab	55.7602, -5.9042, 6.2000

Details

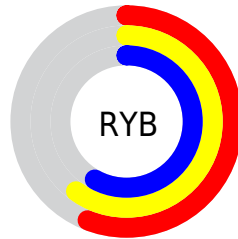
The XYZ color **28.6380, 31.0920, 30.8775** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.1187, 28.6368, 34.1841**, and the grayscale version is **29.2070, 30.7280, 33.4628**.

A 20% lighter version of the original color is **56.8630, 61.2594, 62.2533**, and **11.7015, 12.8523, 12.4537** is the 20% darker color. If you saturate the color by 10%, you get **26.0652, 29.8927, 25.0608**, and if you desaturate by 10%, it is **31.4840, 32.4157, 37.5357**.

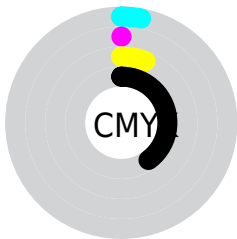
Distribution



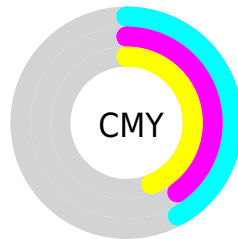
- Red (58%)
- Green (60%)
- Blue (56%)



- Red (56%)
- Yellow (60%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6380, 31.0920, 30.8775 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 28.6380, 31.0920, 30.8775 by changing the saturation by 10% instead.

■ 28.6380, 31.0920,
30.8775

■ 28.6380, 31.0920,
30.8775

287.5282,
306.9619, 320.3073

■ 18.9500, 20.6689,
20.2479

■ 56.9030, 61.3849,
62.1245

■ 11.7380, 12.8822,
12.3895

■ 76.2107, 82.0235,
83.5789

■ 6.6364, 7.3475,
6.8838

99.4558, 106.8360,
109.4787

■ 3.2801, 3.6803,
3.3122

127.0035,
136.2069, 140.2425

■ 1.3036, 1.4964,
1.2562

159.2193,
170.5206, 176.2887

■ 0.1859, 0.2862,
0.0255

196.4684,

■ 0.0000, 0.0000,

210.1614, 218.0358

0.0000

239.1163,
255.5137, 265.9025

■ 28.6380, 31.0920,
30.8775

■ 28.6380, 31.0920,
30.8775

■ 26.0652, 29.8927,
25.0608

■ 31.4840, 32.4157,
37.5357

■ 23.7544, 28.8099,
20.0501

■ 34.6091, 33.8633,
45.0649

■ 21.6971, 27.8411,
15.8103

■ 38.0219, 35.4396,
53.4957

■ 19.8835, 26.9819,
12.3031

■ 41.7301, 37.1479,
62.8568

■ 18.3030, 26.2278,
9.4868

■ 45.7409, 38.9913,
73.1752

■ 16.9442, 25.5739,
7.3155

■ 50.0615, 40.9730,
84.4772

■ 15.7944, 25.0149,
5.7378

■ 54.6987, 43.0958,
96.7880

■ 14.8392, 24.5446,
4.6944

■ 57.7677, 44.6062,
100.1729

■ 14.0599, 24.1552,
4.1022

■ 60.3457, 45.9353,
100.2936

Harmonies

Analogous

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



29.2886, 31.0920, 30.0281



28.6380, 31.0920, 30.8775



28.2365, 31.0920, 32.5368

Triad

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



28.6380, 31.0920, 30.8775



29.0885, 31.0920, 37.8246



30.9635, 31.0920, 33.1029

Complementary

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



28.6380, 31.0920, 30.8775



28.1187, 28.6368, 34.1841

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.



30.9078, 31.0920, 35.2061



28.6380, 31.0920, 30.8775



29.8170, 31.0920, 37.9915

Square

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



28.6380, 31.0920, 30.8775



28.4936, 31.0920, 36.5685



30.4853, 31.0920, 37.0157



30.6363, 31.0920, 31.2771

Rectangle

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



28.6380, 31.0920, 30.8775



28.1601, 31.0920, 33.9080



30.4853, 31.0920, 37.0157



30.9890, 31.0920, 33.7998

Sweetspot

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



28.6389, 31.0933, 30.8782



53.1866, 56.5659, 59.6986



28.9117, 30.2662, 30.7041



11.7581, 12.4968, 13.2147



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



28.6389, 31.0933, 30.8782



50.6817, 55.4001, 53.9083



27.9623, 30.7406, 31.0265



6.4917, 7.1054, 6.8868



11.4207, 19.8635, 3.2321



0.2117, 0.3181, 0.0502

Inverse Universe

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



28.1187, 28.6368, 34.1841



49.5609, 50.1071, 61.0315



28.8240, 29.0047, 34.0234



6.3432, 6.4040, 7.8307



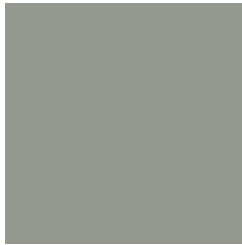
7.8891, 3.5180, 25.1709



0.1597, 0.0741, 0.3783

Previews

White Background



This preview shows how the XYZ color 28.6380, 31.0920, 30.8775 looks on a white background.

Color Contrast Check

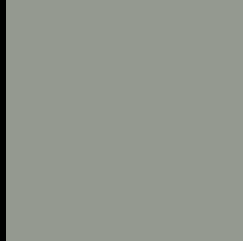
Large Text (above 18pt) WCAG AA × Fail

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 28.6380, 31.0920, 30.8775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

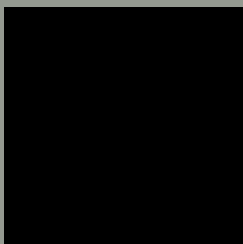
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

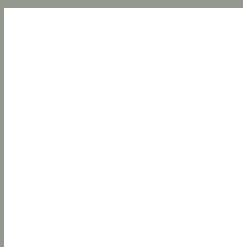
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6380, 31.0920, 30.8775

Background



This preview shows how black text looks on a background with the XYZ color 28.6380, 31.0920, 30.8775.



This preview shows how white text looks on a background with the XYZ color 28.6380, 31.0920,

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

28.6380, 31.0920, 30.8775

Protanopia

29.7348, 31.1843, 30.4386

Deuteranopia

31.5382, 30.9269, 31.0953



Tritanopia

30.1904, 31.0006, 38.5749

Trichromacy



Original Color

28.6380, 31.0920, 30.8775

Protanomaly

29.3230, 31.2119, 30.4656

Deuteranomaly

30.5562, 31.1163, 31.1836

Tritanomaly

29.5607, 30.9838, 35.4328

Monochromacy



Original Color

28.6380, 31.0920, 30.8775

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8063, 30.6609, 32.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6380, 31.0920, 30.8775 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(148, 153, 144)` looks like.

```
.text, #text, p{  
    color:rgb(148, 153, 144)  
}
```

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(148, 153, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 153, 144) }
```

Border

The CSS property to change the border of an element to XYZ 28.6380, 31.0920, 30.8775 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(148, 153, 144) }
```


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

```
.border{ border-color:rgb(148, 153, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 153, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 153, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 153, 144);  
box-shadow:4px 4px 4px 4px rgb(148, 153,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6380, 31.0920, 30.8775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 153, 144) }
```

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

```
.background{ background-color: rgb(148,  
153, 144) }
```

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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