

Converting Colors

XYZ(28.6587, 31.0601, 27.9860)

Have a look what the booklet for
XYZ(28.6587, 31.0601, 27.9860)
contains.

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Color

**XYZ(28.6691, 31.1679,
28.1719)**

Conversions

Conversions Part 1

Format	Color
Hex	979989
RGB	151, 153, 137
RGB Percent	59%, 60%, 54%
CMY	0.4078, 0.4000, 0.4627
CMYK	0.01, 0.00, 0.10, 0.40
HSL	68°, 7%, 57%
HSV	68°, 10%, 60%
XYZ	28.6691, 31.1679, 28.1719
YIQ	150.5780, 3.9440, -5.4000

Conversions

Conversions Part 2

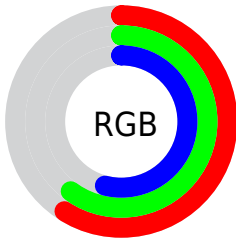
Format	Color
RYB	137, 153, 139
Decimal	9935241
CIELab	62.65, -3.68, 8.16
CIELCh	63, 8.952, 114.294
Yxy	31.1679, 0.3258, 0.3541
Android (android.graphics.Color)	4288125321 (0xFF979989)
YUV	150.5780, -6.6940, 0.3701
Hunter-Lab	55.8282, -6.0354, 9.1610

Details

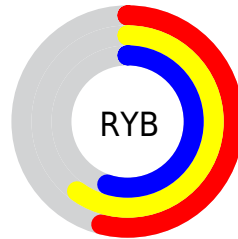
The XYZ color **28.6691, 31.1679, 28.1719** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.3441, 25.6810, 33.7598**, and the grayscale version is **29.2624, 30.7863, 33.5263**.

A 20% lighter version of the original color is **56.7839, 61.3225, 57.5588**, and **11.7272, 12.9002, 10.8887** is the 20% darker color. If you saturate the color by 10%, you get **27.2963, 30.5791, 22.7790**, and if you desaturate by 10%, it is **30.2051, 31.8247, 34.3862**.

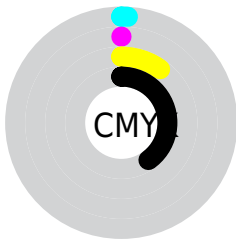
Distribution



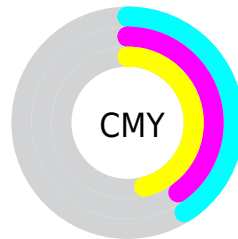
- Red (59%)
- Green (60%)
- Blue (54%)



- Red (54%)
- Yellow (60%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)



- Cyan (41%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6691, 31.1679, 28.1719 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 28.6691, 31.1679, 28.1719 by changing the saturation by 10% instead.

■ 28.6691, 31.1679,
28.1719

■ 28.6691, 31.1679,
28.1719

287.6729,
307.3111, 307.2251

■ 18.9737, 20.7267,
18.2151

■ 56.9521, 61.5043,
57.7852

■ 11.7551, 12.9244,
10.9335

■ 76.2705, 82.1684,
78.2787

■ 6.6482, 7.3765,
5.9085

■ 99.5271, 107.0088,
103.1216

■ 3.2874, 3.6987,
2.7216

127.0875,
136.4101, 132.7324

■ 1.3075, 1.5065,
0.9543

159.3169,
170.7565, 167.5296

■ 0.1888, 0.2933,
0.0000

196.5807,

■ 0.0000, 0.0000,

210.4326, 207.9318

0.0000

239.2442,
255.8226, 254.3574

■ 28.6691, 31.1679,
28.1719

■ 28.6691, 31.1679,
28.1719

■ 27.2963, 30.5791,
22.7790

■ 30.2051, 31.8247,
34.3862

■ 26.0775, 30.0515,
18.1712

■ 31.9078, 32.5479,
41.4523

■ 25.0067, 29.5838,
14.3124

■ 33.7840, 33.3411,
49.4013

■ 24.0762, 29.1728,
11.1630

■ 35.8392, 34.2066,
58.2624

■ 23.2778, 28.8154,
8.6796

■ 38.0787, 35.1464,
68.0631

■ 22.6023, 28.5077,
6.8140

■ 40.5075, 36.1627,
78.8301

■ 22.0394, 28.2458,
5.5119

■ 43.1305, 37.2574,
90.5888

■ 21.5768, 28.0246,
4.7091

■ 45.2351, 38.1454,
99.5864

■ 21.2001, 27.8400,
4.2563

■ 45.6406, 38.3544,
99.6054

Harmonies

Analogous

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



29.8581, 31.1679, 27.6785



28.6691, 31.1679, 28.1719



27.7591, 31.1679, 30.1632

Triad

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



28.6691, 31.1679, 28.1719



28.2755, 31.1679, 39.6919



32.0212, 31.1679, 34.6092

Complementary

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



28.6691, 31.1679, 28.1719



25.3441, 25.6810, 33.7598

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.



31.5709, 31.1679, 38.0122



28.6691, 31.1679, 28.1719



29.3914, 31.1679, 41.0732

Square

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



28.6691, 31.1679, 28.1719



27.5363, 31.1679, 36.7775



30.6002, 31.1679, 40.4384



31.8150, 31.1679, 31.2458

Rectangle

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



28.6691, 31.1679, 28.1719



27.4219, 31.1679, 32.1495



30.6002, 31.1679, 40.4384



31.9412, 31.1679, 35.7887

Sweetspot

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



28.6699, 31.1693, 28.1726



53.3477, 56.6747, 58.5405



26.8666, 27.0059, 27.4640



11.7320, 12.4940, 12.7325



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.



28.6699, 31.1693, 28.1726



50.6250, 55.5104, 47.6033



27.2585, 30.4416, 28.1065



6.6328, 7.1837, 6.6428



17.5397, 23.0179, 3.5185



0.2808, 0.3537, 0.0535

Inverse Universe

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



25.3441, 25.6810, 33.7598



43.2167, 43.2852, 60.0491



26.7051, 26.3827, 33.8235



5.9528, 6.0615, 7.7852



4.9933, 2.0252, 25.0354



0.0910, 0.0387, 0.3750

Previews

White Background



This preview shows how the XYZ color 28.6691, 31.1679, 28.1719 looks on a white background.

Color Contrast Check

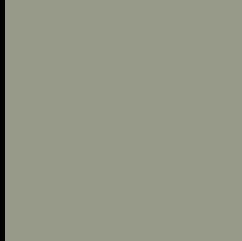
Large Text (above 18pt) WCAG AA × Fail

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 28.6691, 31.1679, 28.1719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

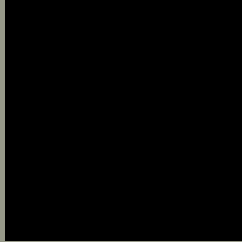
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6691, 31.1679, 28.1719

Background



This preview shows how black text looks on a background with the XYZ color 28.6691, 31.1679, 28.1719.



This preview shows how white text looks on a background with the XYZ color 28.6691, 31.1679,

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

28.6691, 31.1679, 28.1719

Protanopia

29.6111, 31.1799, 27.7502

Deuteranopia

31.6609, 31.0507, 28.3694



Tritanopia

30.6980, 31.0367, 38.0909

Trichromacy



Original Color

28.6691, 31.1679, 28.1719

Protanomaly

29.1897, 31.2026, 27.7768

Deuteranomaly

30.6447, 31.2224, 28.4561

Tritanomaly

29.9003, 30.9497, 34.1037

Monochromacy



Original Color

28.6691, 31.1679, 28.1719

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1790, 31.1111, 31.6613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6691, 31.1679, 28.1719 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(151, 153, 137)` looks like.

```
.text, #text, p{  
    color:rgb(151, 153, 137)  
}
```

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(151, 153, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 153, 137) }
```

Border

The CSS property to change the border of an element to XYZ 28.6691, 31.1679, 28.1719 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(151, 153, 137) }
```


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

```
.border{ border-color:rgb(151, 153, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 153, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 153, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 153, 137); box-shadow:4px 4px 4px 4px rgb(151, 153, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6691, 31.1679, 28.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 153, 137) }
```

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

```
.background{ background-color: rgb(151,  
153, 137) }
```

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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