

Converting Colors

XYZ(29.7293, 30.7083, 40.2276)

Have a look what the booklet for
XYZ(29.7293, 30.7083, 40.2276)
contains.

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Color

**XYZ(29.8219, 30.7689,
40.4436)**

Conversions

Conversions Part 1

Format	Color
Hex	9396A6
RGB	147, 150, 166
RGB Percent	58%, 59%, 65%
CMY	0.4235, 0.4118, 0.3490
CMYK	0.11, 0.10, 0.00, 0.35
HSL	231°, 10%, 61%
HSV	231°, 11%, 65%
XYZ	29.8219, 30.7689, 40.4436
YIQ	150.9270, -6.9240, 4.3400

Conversions

Conversions Part 2

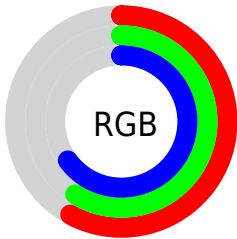
Format	Color
RYB	147, 150, 166
Decimal	9672358
CIELab	62.31, 2.21, -8.75
CIElCh	62, 9.020, 284.152
Yxy	30.7689, 0.2952, 0.3045
Android (android.graphics.Color)	4287862438 (0xFF9396A6)
YUV	150.9270, 7.4310, -3.4440
Hunter-Lab	55.4697, -1.1060, -4.4002

Details

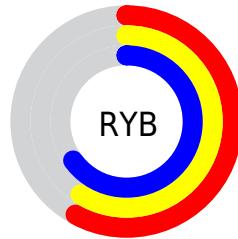
The XYZ color **29.8219, 30.7689, 40.4436** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0897, 36.4078, 32.8351**, and the grayscale version is **29.3563, 30.8851, 33.6339**.

A 20% lighter version of the original color is **58.7314, 60.8237, 77.0513**, and **12.3230, 12.6254, 17.7070** is the 20% darker color. If you saturate the color by 10%, you get **24.9585, 25.1465, 39.6152**, and if you desaturate by 10%, it is **35.3828, 37.1474, 41.3822**.

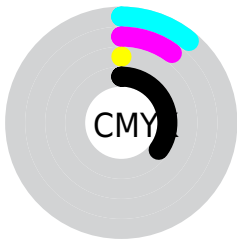
Distribution



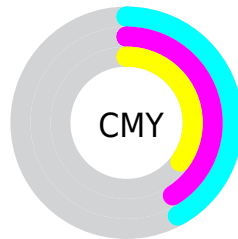
- Red (58%)
- Green (59%)
- Blue (65%)



- Red (58%)
- Yellow (59%)
- Blue (65%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8219, 30.7689, 40.4436 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 29.8219, 30.7689, 40.4436 by changing the saturation by 10% instead.

■ 29.8219, 30.7689,
40.4436

■ 29.8219, 30.7689,
40.4436

292.9982,
305.4722, 363.5973

■ 19.8508, 20.4229,
27.5682

■ 58.7690, 60.8760,
77.0830

■ 12.3943, 12.7029,
17.7642

■ 78.4757, 81.4060,
101.6841

■ 7.0869, 7.2242,
10.6131

102.1584,
106.0994, 131.0307

■ 3.5633, 3.6027,
5.6965

130.1823,
135.3407, 165.5416

■ 1.4582, 1.4539,
2.5956

162.9129,
169.5142, 205.6351

■ 0.2971, 0.2560,
0.8902

200.7155,

■ 0.0000, 0.0000,

209.0044, 251.7299

0.0000

243.9555,
254.1956, 304.2444

■ 29.8219, 30.7689,
40.4436

■ 29.8219, 30.7689,
40.4436

■ 24.9585, 25.1465,
39.6152

■ 35.3828, 37.1474,
41.3822

■ 20.7622, 20.2484,
38.8909

■ 41.6644, 44.3048,
42.4326

■ 17.2044, 16.0459,
38.2673

■ 48.6925, 52.2676,
43.5992

■ 14.2534, 12.5072,
37.7398

■ 56.4906, 61.0600,
44.8853

■ 11.8747, 9.5977,
37.3036

■ 65.0811, 70.7051,
46.2942

■ 10.0303, 7.2799,
36.9534

■ 74.4856, 81.2250,
47.8291

■ 8.6774, 5.5120,
36.6834

■ 81.6426, 91.0523,
49.3487

■ 7.7663, 4.2463,
36.4872

■ 83.8830, 95.5332,
50.0955

■ 7.2575, 3.5022,
36.3703

Harmonies

Analogous

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



28.6093, 30.7689, 40.3853



29.8219, 30.7689, 40.4436



30.9086, 30.7689, 38.5542

Triad

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



29.8219, 30.7689, 40.4436



30.9595, 30.7689, 29.0393



27.0470, 30.7689, 31.7018

Complementary

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



29.8219, 30.7689, 40.4436



34.0897, 36.4078, 32.8351

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.



27.6420, 30.7689, 28.9118



29.8219, 30.7689, 40.4436



29.8898, 30.7689, 27.4491

Square

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



29.8219, 30.7689, 40.4436



31.5777, 30.7689, 31.8871



28.6754, 30.7689, 27.4041



27.0300, 30.7689, 35.1708

Rectangle

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



29.8219, 30.7689, 40.4436



31.4060, 30.7689, 36.5155



28.6754, 30.7689, 27.4041



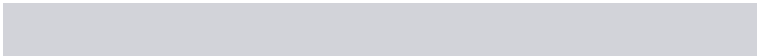
27.1853, 30.7689, 30.6592

Sweetspot

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



29.8228, 30.7702, 40.4443



62.5034, 65.4600, 74.8160



32.2653, 36.1144, 39.8428



13.8018, 14.4367, 16.7113



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.8228, 30.7702, 40.4443



51.5145, 52.8354, 72.9584



30.5171, 30.4260, 40.3413



7.2240, 7.4849, 9.4823



5.6511, 2.7625, 28.2109



0.1648, 0.1219, 0.6955

Inverse Universe

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



31.6653, 31.1771, 33.2045



55.6113, 53.7725, 56.8535



33.3339, 36.8188, 32.9542



7.5777, 7.5609, 8.0932



12.3530, 6.3499, 1.4047



0.3144, 0.1600, 0.1069

Previews

White Background



This preview shows how the XYZ color 29.8219, 30.7689, 40.4436 looks on a white background.

Color Contrast Check

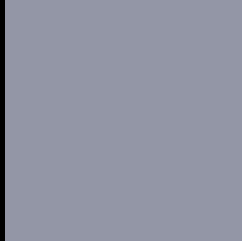
Large Text (above 18pt) WCAG AA × Fail

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 29.8219, 30.7689, 40.4436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

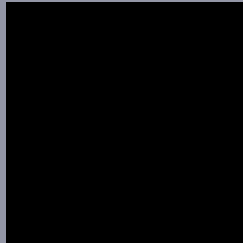
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8219, 30.7689, 40.4436

Background



This preview shows how black text looks on a background with the XYZ color 29.8219, 30.7689, 40.4436.

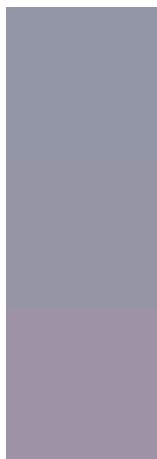


This preview shows how white text looks on a background with the XYZ color 29.8219, 30.7689,

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

29.8219, 30.7689, 40.4436

Protanopia

30.0248, 30.6376, 40.4076

Deuteranopia

31.3545, 30.6169, 40.8163



Tritanopia

29.5315, 30.8886, 39.0559

Trichromacy



Original Color

29.8219, 30.7689, 40.4436

Protanomaly

29.8431, 30.5440, 40.3991

Deuteranomaly

30.7352, 30.5275, 40.8317

Tritanomaly

29.6215, 30.9245, 39.5298

Monochromacy



Original Color

29.8219, 30.7689, 40.4436

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.6450, 31.0175, 35.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8219, 30.7689, 40.4436 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(147, 150, 166)` looks like.

```
.text, #text, p{  
    color:rgb(147, 150, 166)  
}
```

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(147, 150, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 150, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.8219, 30.7689, 40.4436 is called "border". The border property can be set on classes, ids or directly on the HTML element.

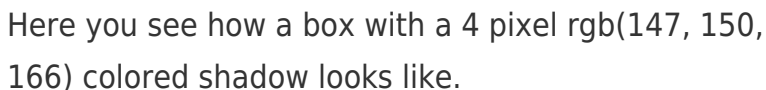
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 150, 166) }
```


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

```
.border{ border-color:rgb(147, 150, 166) }
```

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



Here you see how a box with a 4 pixel rgb(147, 150, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 150, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 150, 166);  
box-shadow:4px 4px 4px 4px rgb(147, 150,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8219, 30.7689, 40.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 150, 166) }
```

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

```
.background{ background-color: rgb(147,  
150, 166) }
```

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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