

Converting Colors

XYZ(29.9131, 31.2900, 40.4193)

Have a look what the booklet for
XYZ(29.9131, 31.2900, 40.4193)
contains.

XYZ(29.9652, 31.3206, 40.5425)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9652, 31.3206,
40.5425)**

Conversions

Conversions Part 1

Format	Color
Hex	9298A6
RGB	146, 152, 166
RGB Percent	57%, 60%, 65%
CMY	0.4274, 0.4039, 0.3490
CMYK	0.12, 0.08, 0.00, 0.35
HSL	222°, 10%, 61%
HSV	222°, 12%, 65%
XYZ	29.9652, 31.3206, 40.5425
YIQ	151.8020, -8.0700, 3.0820

Conversions

Conversions Part 2

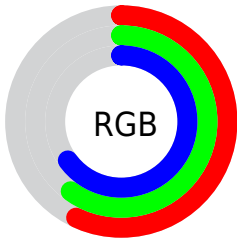
Format	Color
RYB	146, 151, 166
Decimal	9607334
CIELab	62.78, 0.74, -8.06
CIELCh	63, 8.096, 275.268
Yxy	31.3206, 0.2943, 0.3076
Android (android.graphics.Color)	4287797414 (0xFF9298A6)
YUV	151.8020, 6.9996, -5.0884
Hunter-Lab	55.9648, -2.3643, -3.7760

Details

The XYZ color **29.9652, 31.3206, 40.5425** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4851, 35.3237, 32.2480**, and the grayscale version is **29.7337, 31.2821, 34.0663**.

A 20% lighter version of the original color is **58.9419, 61.6424, 77.1982**, and **12.4103, 12.9552, 17.7661** is the 20% darker color. If you saturate the color by 10%, you get **25.4318, 26.3207, 39.8169**, and if you desaturate by 10%, it is **35.1137, 36.9135, 41.3512**.

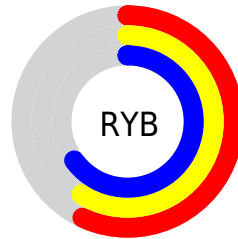
Distribution



Red (57%)

Green (60%)

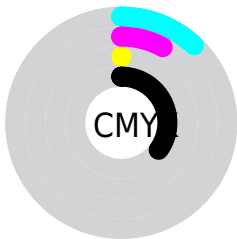
Blue (65%)



Red (57%)

Yellow (59%)

Blue (65%)

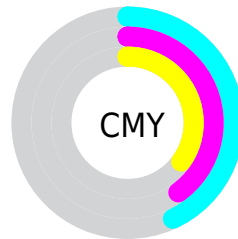


Cyan (12%)

Magenta (8%)

Yellow (0%)

Black (35%)



Cyan (43%)

Magenta (40%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9652, 31.3206, 40.5425 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 29.9652, 31.3206, 40.5425 by changing the saturation by 10% instead.

■ 29.9652, 31.3206,
40.5425

■ 29.9652, 31.3206,
40.5425

293.6549,
308.0126, 364.0247

■ 19.9601, 20.8431,
27.6448

■ 58.9941, 61.7445,
77.2350

■ 12.4741, 13.0094,
17.8214

■ 78.7487, 82.4596,
101.8669

■ 7.1419, 7.4350,
10.6537

102.4838,
107.3561, 131.2472

■ 3.5982, 3.7356,
5.7232

130.5648,
136.8184, 165.7945

■ 1.4774, 1.5268,
2.6115

163.3571,
171.2308, 205.9274

■ 0.3104, 0.3075,
0.8984

201.2260,

■ 0.0000, 0.0000,

210.9777, 252.0644

0.0000

244.5368,
256.4435, 304.6240

■ 29.9652, 31.3206,
40.5425

■ 29.9652, 31.3206,
40.5425

■ 25.4318, 26.3207,
39.8169

■ 35.1137, 36.9135,
41.3512

■ 21.4871, 21.8899,
39.1695

■ 40.8968, 43.1144,
42.2433

■ 18.1067, 18.0081,
38.5984

■ 47.3367, 49.9430,
43.2219

■ 15.2634, 14.6528,
38.1007

■ 54.4536, 57.4165,
44.2893

■ 12.9278, 11.7997,
37.6731

■ 62.2668, 65.5517,
45.4478

■ 11.0673, 9.4223,
37.3122

■ 70.7948, 74.3646,
46.6994

■ 9.6453, 7.4915,
37.0145

■ 77.3559, 82.4790,
47.9198

■ 8.6189, 5.9741,
36.7757

■ 80.7603, 89.2878,
49.0546

■ 8.0158, 5.0189,
36.6231

■ 83.8830, 95.5332,
50.0955

Harmonies

Analogous

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



28.8873, 31.3206, 39.9466



29.9652, 31.3206, 40.5425



31.0157, 31.3206, 39.3278

Triad

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



29.9652, 31.3206, 40.5425



31.5418, 31.3206, 30.7017



27.8770, 31.3206, 31.6147

Complementary

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



29.9652, 31.3206, 40.5425



33.4851, 35.3237, 32.2480

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.



28.5567, 31.3206, 29.3624



29.9652, 31.3206, 40.5425



30.6690, 31.3206, 28.8587

Square

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



29.9652, 31.3206, 40.5425



31.9403, 31.3206, 33.5460



29.5742, 31.3206, 28.3839



27.6990, 31.3206, 34.6657

Rectangle

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



29.9652, 31.3206, 40.5425



31.5536, 31.3206, 37.6964



29.5742, 31.3206, 28.3839



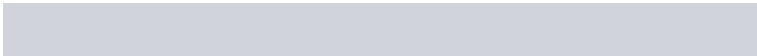
28.0535, 31.3206, 30.7452

Sweetspot

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



29.9661, 31.3219, 40.5432



61.7421, 64.8489, 74.7382



31.8068, 35.9104, 38.3605



13.6586, 14.3408, 16.7003



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.



29.9661, 31.3219, 40.5432



52.4701, 54.7466, 73.2770



29.6788, 29.7640, 40.2576



7.3085, 7.6540, 9.5105



6.2525, 3.9652, 28.4113



0.1963, 0.1848, 0.7060

Inverse Universe

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



31.6730, 30.9324, 34.0084



56.0937, 53.9655, 59.3935



33.7931, 37.0646, 32.5678



7.6203, 7.5780, 8.3178



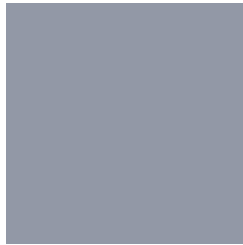
12.6566, 6.4713, 3.0031



0.3302, 0.1664, 0.1905

Previews

White Background



This preview shows how the XYZ color 29.9652, 31.3206, 40.5425 looks on a white background.

Color Contrast Check

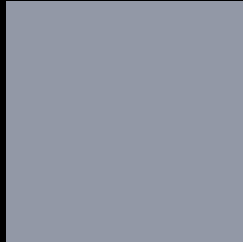
Large Text (above 18pt) WCAG AA × Fail

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 29.9652, 31.3206, 40.5425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

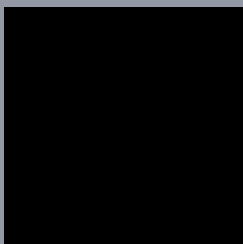
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

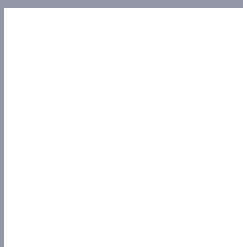
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9652, 31.3206, 40.5425

Background



This preview shows how black text looks on a background with the XYZ color 29.9652, 31.3206, 40.5425.

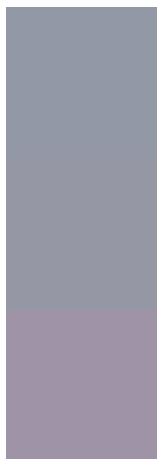


This preview shows how white text looks on a background with the XYZ color 29.9652, 31.3206,

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

29.9652, 31.3206, 40.5425

Protanopia

30.4358, 31.3339, 40.0412

Deuteranopia

31.8630, 31.3408, 40.9292



Tritanopia

29.7831, 31.2478, 39.5836

Trichromacy



Original Color

29.9652, 31.3206, 40.5425

Protanomaly

30.2526, 31.2394, 40.0326

Deuteranomaly

31.0489, 31.1549, 40.9363

Tritanomaly

29.8738, 31.2841, 40.0612

Monochromacy



Original Color

29.9652, 31.3206, 40.5425

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8917, 31.3748, 36.3788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9652, 31.3206, 40.5425 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(146, 152, 166) looks like.

```
.text, #text, p{  
    color:rgb(146, 152, 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(146, 152, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 152, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.9652, 31.3206, 40.5425 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(146, 152, 166) }
```


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

```
.border{ border-color:rgb(146, 152, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 152, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 152, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 152, 166);  
box-shadow:4px 4px 4px 4px rgb(146, 152,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9652, 31.3206, 40.5425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 152, 166) }
```

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

```
.background{ background-color: rgb(146,  
152, 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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