

Converting Colors

XYZ(31.6510, 33.8231, 41.4200)

Have a look what the booklet for
XYZ(31.6510, 33.8231, 41.4200)
contains.

XYZ(31.7676, 33.9759, 41.4429)	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(31.7676, 33.9759,
41.4429)**

Conversions

Conversions Part 1

Format	Color
Hex	959FA7
RGB	149, 159, 167
RGB Percent	58%, 62%, 65%
CMY	0.4157, 0.3765, 0.3451
CMYK	0.11, 0.05, 0.00, 0.35
HSL	207°, 9%, 62%
HSV	207°, 11%, 65%
XYZ	31.7676, 33.9759, 41.4429
YIQ	156.9220, -8.5280, 0.3680

Conversions

Conversions Part 2

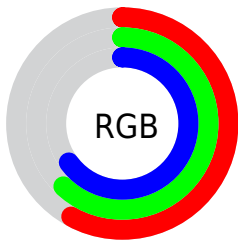
Format	Color
RYB	149, 155, 167
Decimal	9805735
CIELab	64.94, -1.90, -5.38
CIELCh	65, 5.710, 250.536
Yxy	33.9759, 0.2964, 0.3170
Android (android.graphics.Color)	4287995815 (0xFF959FA7)
YUV	156.9220, 4.9685, -6.9476
Hunter-Lab	58.2888, -4.7224, -1.3525

Details

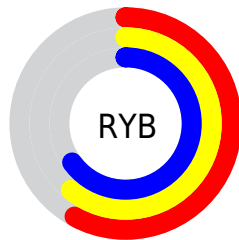
The XYZ color **31.7676, 33.9759, 41.4429** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4182, 34.4990, 33.3319**, and the grayscale version is **31.9947, 33.6609, 36.6567**.

A 20% lighter version of the original color is **61.8600, 66.0636, 78.5984**, and **13.4941, 14.5596, 18.3187** is the 20% darker color. If you saturate the color by 10%, you get **27.6989, 30.0416, 40.8985**, and if you desaturate by 10%, it is **36.3518, 38.2915, 42.0348**.

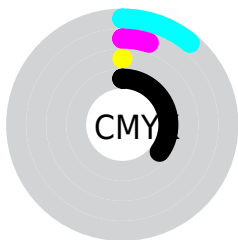
Distribution



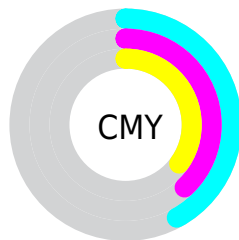
- Red (58%)
- Green (62%)
- Blue (65%)



- Red (58%)
- Yellow (61%)
- Blue (65%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7676, 33.9759, 41.4429 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 31.7676, 33.9759, 41.4429 by changing the saturation by 10% instead.

■ 31.7676, 33.9759,
41.4429

■ 31.7676, 33.9759,
41.4429

301.8234,
320.0246, 367.8996

■ 21.3387, 22.8751,
28.3430

■ 61.8142, 65.8962,
78.6167

■ 13.4857, 14.5013,
18.3431

■ 82.1627, 87.4845,
103.5278

■ 7.8431, 8.4701,
11.0246

106.5485,
113.3373, 133.2129

■ 4.0457, 4.3972,
5.9690

135.3368,
143.8392, 168.0908

■ 1.7280, 1.8982,
2.7578

168.8931,
179.3745, 208.5798

■ 0.4737, 0.5473,
0.9723

207.5827,

■ 0.0000, 0.0000,

220.3275, 255.0986

0.0000

251.7710,
267.0828, 308.0657

■ 31.7676, 33.9759,
41.4429

■ 31.7676, 33.9759,
41.4429

■ 27.6989, 30.0416,
40.8985

■ 36.3518, 38.2915,
42.0348

■ 24.1228, 26.4721,
40.3980

■ 41.4673, 42.9957,
42.6732

■ 21.0193, 23.2559,
39.9408

■ 47.1327, 48.1009,
43.3600

■ 18.3654, 20.3791,
39.5254

■ 53.3650, 53.6177,
44.0964

■ 16.1363, 17.8268,
39.1502

■ 60.1801, 59.5562,
44.8834

■ 14.3044, 15.5824,
38.8136

■ 67.5936, 65.9260,
45.7222

■ 12.8385, 13.6278,
38.5135

■ 71.4951, 70.6099,
46.4206

■ 11.7020, 11.9415,
38.2479

■ 73.3806, 74.3809,
47.0491

■ 10.8723, 10.5843,
38.0297

■ 75.3522, 78.3242,
47.7064

Harmonies

Analogous

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



31.1029, 33.9759, 40.0246



31.7676, 33.9759, 41.4429



32.5839, 33.9759, 41.6406

Triad

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



31.7676, 33.9759, 41.4429



33.8772, 33.9759, 36.1698



31.2735, 33.9759, 33.6490

Complementary

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



31.7676, 33.9759, 41.4429



33.4182, 34.4990, 33.3319

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.



32.0040, 33.9759, 32.7066



31.7676, 33.9759, 41.4429



33.5132, 33.9759, 34.1204

Square

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



31.7676, 33.9759, 41.4429



33.8113, 33.9759, 38.5279



32.8243, 33.9759, 32.8754



30.8210, 33.9759, 35.5014

Rectangle

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



31.7676, 33.9759, 41.4429



33.1054, 33.9759, 41.0448



32.8243, 33.9759, 32.8754



31.4941, 33.9759, 33.2189

Sweetspot

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



31.7686, 33.9773, 41.4437



63.1521, 66.7575, 75.0323



32.2824, 36.4550, 37.1444



13.9833, 14.7997, 16.7718



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.



31.7686, 33.9773, 41.4437



55.0200, 59.0565, 73.9745



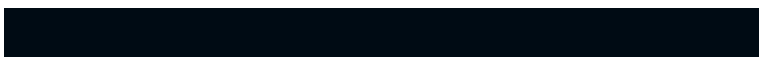
30.3083, 31.0567, 40.9569



7.4645, 7.9658, 9.5625



8.3689, 8.1980, 29.1168



0.2534, 0.2991, 0.7250

Inverse Universe

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



32.9426, 32.2142, 37.2843



57.5736, 55.2957, 64.9107



34.9616, 37.5858, 33.8464



7.6990, 7.6095, 8.7323



13.7248, 6.8987, 8.6285



0.3591, 0.1779, 0.3423

Previews

White Background



This preview shows how the XYZ color 31.7676, 33.9759, 41.4429 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 31.7676, 33.9759, 41.4429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

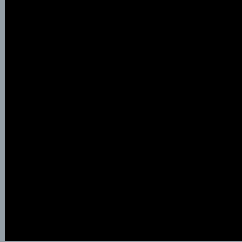
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

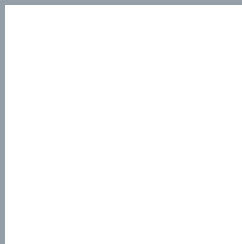
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7676, 33.9759, 41.4429

Background



This preview shows how black text looks on a background with the XYZ color 31.7676, 33.9759, 41.4429.



This preview shows how white text looks on a background with the XYZ color 31.7676, 33.9759,

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

31.7676, 33.9759, 41.4429

Protanopia

32.7805, 33.7626, 40.3864

Deuteranopia

34.6076, 33.9344, 41.7718



Tritanopia

32.1552, 33.8780, 43.3724

Trichromacy



Original Color

31.7676, 33.9759, 41.4429

Protanomaly

32.4575, 33.8357, 40.8966

Deuteranomaly

33.4872, 33.8469, 41.8139

Tritanomaly

32.0602, 33.8400, 42.8722

Monochromacy



Original Color

31.7676, 33.9759, 41.4429

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9863, 33.8970, 38.5751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7676, 33.9759, 41.4429 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(149, 159, 167) looks like.

```
.text, #text, p{  
    color:rgb(149, 159, 167)  
}
```

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(149, 159, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 159, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.7676, 33.9759, 41.4429 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(149, 159, 167) }
```


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

```
.border{ border-color:rgb(149, 159, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 159, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 159, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 159, 167);  
box-shadow:4px 4px 4px 4px rgb(149, 159,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7676, 33.9759, 41.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 159, 167) }
```

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

```
.background{ background-color: rgb(149,  
159, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor