

Converting Colors

XYZ(31.8185, 36.7664, 59.3187)

Have a look what the booklet for
XYZ(31.8185, 36.7664, 59.3187)
contains.

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Color

**XYZ(31.9419, 36.8942,
59.4706)**

Conversions

Conversions Part 1

Format	Color
Hex	73ABC7
RGB	115, 171, 199
RGB Percent	45%, 67%, 78%
CMY	0.5490, 0.3294, 0.2196
CMYK	0.42, 0.14, 0.00, 0.22
HSL	200°, 43%, 62%
HSV	200°, 42%, 78%
XYZ	31.9419, 36.8942, 59.4706
YIQ	157.4480, -42.3640, -3.1640

Conversions

Conversions Part 2

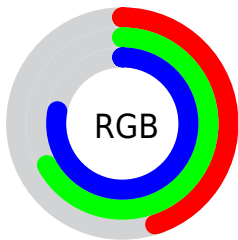
Format	Color
R _{YB}	115, 149, 199
Decimal	7580615
CIE _{Lab}	67.20, -10.99, -20.04
CIE _{LCh}	67, 22.854, 241.270
Yxy	36.8942, 0.2489, 0.2875
Android (android.graphics.Color)	4285770695 (0xFF73ABC7)
YUV	157.4480, 20.4851, -37.2269
Hunter-Lab	60.7406, -12.4275, -15.5319

Details

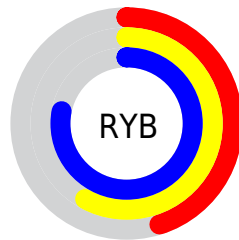
The XYZ color **31.9419, 36.8942, 59.4706** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.4708, 33.0254, 20.6729**, and the grayscale version is **32.1748, 33.8504, 36.8631**.

A 20% lighter version of the original color is **61.8239, 70.1588, 104.8913**, and **13.6321, 16.2301, 29.2023** is the 20% darker color. If you saturate the color by 10%, you get **28.3807, 33.2456, 58.9547**, and if you desaturate by 10%, it is **36.1331, 40.9626, 60.0356**.

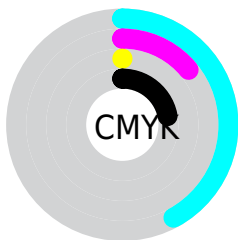
Distribution



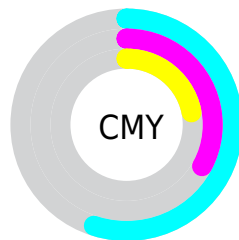
- Red (45%)
- Green (67%)
- Blue (78%)



- Red (45%)
- Yellow (58%)
- Blue (78%)



- Cyan (42%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (55%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9419, 36.8942, 59.4706 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 31.9419, 36.8942, 59.4706 by changing the saturation by 10% instead.

■ 31.9419, 36.8942,
59.4706

■ 31.9419, 36.8942,
59.4706

302.6045,
332.8522, 440.3940

■ 21.4725, 25.1256,
42.5696

■ 62.0858, 70.4100,
105.5972

■ 13.5842, 16.1706,
29.2186

■ 82.4910, 92.9260,
135.6598

■ 7.9118, 9.6450,
18.9993

■ 106.9388,
119.7933, 170.9466

■ 4.0899, 5.1642,
11.4929

135.7945,
151.3962, 211.8763

■ 1.7531, 2.3439,
6.2811

169.4236,
188.1192, 258.8674

■ 0.4892, 0.7968,
2.9452

208.1914,

■ 0.0000, 0.0000,

230.3466, 312.3383

1.0667

252.4633,
278.4628, 372.7077

■ 0.0000, 0.0000,
0.0000

■ 31.9419, 36.8942,
59.4706

■ 31.9419, 36.8942,
59.4706

■ 28.3807, 33.2456,
58.9547

■ 36.1331, 40.9626,
60.0356

■ 25.4085, 29.9917,
58.4833

■ 40.9853, 45.4656,
60.6491

■ 22.9845, 27.1111,
58.0550

■ 46.5311, 50.4222,
61.3135

■ 21.0605, 24.5775,
57.6674

■ 52.8003, 55.8490,
62.0305

■ 19.5794, 22.3599,
57.3174

■ 59.8206, 61.7614,
62.8017

■ 18.6514, 20.8086,
57.0669

■ 67.6183, 68.1743,
63.6286

■ 76.2183, 75.1018,
64.5124

■ 78.2227, 78.7312,
65.1073

■ 80.0411, 82.3679,
65.7135

Harmonies

Analogous

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



29.6429, 36.8942, 50.9852



31.9419, 36.8942, 59.4706



35.2157, 36.8942, 62.5877

Triad

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



31.9419, 36.8942, 59.4706



42.2057, 36.8942, 39.7473



31.7006, 36.8942, 25.8935

Complementary

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



31.9419, 36.8942, 59.4706



36.4708, 33.0254, 20.6729

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.



34.9184, 36.8942, 23.8707



31.9419, 36.8942, 59.4706



41.1151, 36.8942, 31.0063

Square

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



31.9419, 36.8942, 59.4706



41.2806, 36.8942, 50.1258



38.3892, 36.8942, 25.5771



29.5102, 36.8942, 31.6309

Rectangle

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



31.9419, 36.8942, 59.4706



37.5556, 36.8942, 60.8524



38.3892, 36.8942, 25.5771



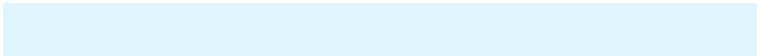
32.6905, 36.8942, 24.8037

Sweetspot

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



31.9431, 36.8956, 59.4715



80.4641, 87.3975, 107.2362



32.3470, 46.4335, 32.6927



16.7399, 18.2794, 22.8959



0.0000, 0.0000, 0.0000



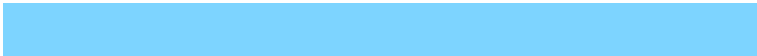
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9431, 36.8956, 59.4715



49.9567, 58.4894, 103.2643



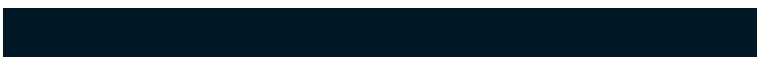
25.4159, 23.8412, 57.2957



10.6374, 11.4488, 13.5667



12.0764, 13.5467, 36.7226



0.6364, 0.7706, 1.7603

Inverse Universe

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



37.0355, 27.3448, 41.8557



60.4071, 40.6505, 66.7200



43.7060, 47.4958, 23.0847



10.9270, 10.7542, 12.5988



17.8949, 8.9075, 15.1885



0.8799, 0.4348, 0.8909

Previews

White Background



This preview shows how the XYZ color 31.9419, 36.8942, 59.4706 looks on a white background.

Color Contrast Check

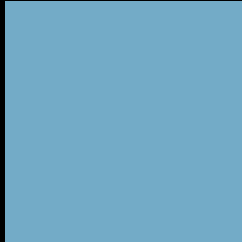
Large Text (above 18pt) WCAG AA × Fail

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 31.9419, 36.8942, 59.4706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

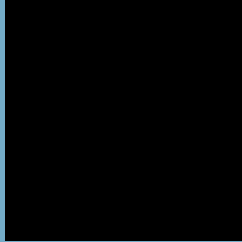
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9419, 36.8942, 59.4706

Background



This preview shows how black text looks on a background with the XYZ color 31.9419, 36.8942, 59.4706.



This preview shows how white text looks on a background with the XYZ color 31.9419, 36.8942,

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

31.9419, 36.8942, 59.4706

Protanopia

36.4506, 36.8590, 55.6454

Deuteranopia

37.4115, 36.7296, 60.3761



Tritanopia

30.5953, 36.9197, 52.5274

Trichromacy



Original Color

31.9419, 36.8942, 59.4706

Protanomaly

34.4608, 36.6012, 56.8782

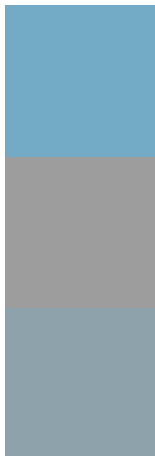
Deuteranomaly

35.0285, 36.5607, 59.8543

Tritanomaly

30.9665, 36.7773, 54.7568

Monochromacy



Original Color

31.9419, 36.8942, 59.4706

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5221, 34.5700, 44.0410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9419, 36.8942, 59.4706 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(115, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(115, 171, 199)  
}
```

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(115, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 171, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.9419, 36.8942, 59.4706 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(115, 171, 199) }
```


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

```
.border{ border-color:rgb(115, 171, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(115, 171,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9419, 36.8942, 59.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 171, 199) }
```

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

```
.background{ background-color: rgb(115,  
171, 199) }
```

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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