

Converting Colors

XYZ(31.9506, 36.0523, 59.2784)

Have a look what the booklet for
XYZ(31.9506, 36.0523, 59.2784)
contains.

XYZ(31.9192, 36.0507, 59.3090)	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(31.9192, 36.0507,
59.3090)**

Conversions

Conversions Part 1

Format	Color
Hex	77A8C7
RGB	119, 168, 199
RGB Percent	47%, 66%, 78%
CMY	0.5333, 0.3412, 0.2196
CMYK	0.40, 0.16, 0.00, 0.22
HSL	203°, 42%, 62%
HSV	203°, 40%, 78%
XYZ	31.9192, 36.0507, 59.3090
YIQ	156.8830, -39.1550, -0.7470

Conversions

Conversions Part 2

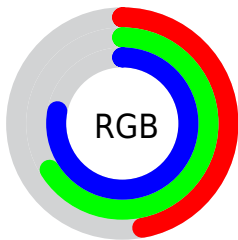
Format	Color
R _Y B	119, 149, 199
Decimal	7841991
CIE Lab	66.56, -8.31, -20.99
CIE LCh	67, 22.580, 248.396
Yxy	36.0507, 0.2508, 0.2832
Android (android.graphics.Color)	4286032071 (0xFF77A8C7)
YUV	156.8830, 20.7637, -33.2234
Hunter-Lab	60.0422, -10.1811, -16.5364

Details

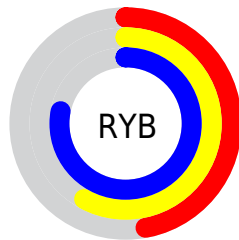
The XYZ color **31.9192, 36.0507, 59.3090** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.7901, 35.2876, 22.2734**, and the grayscale version is **31.9184, 33.5807, 36.5694**.

A 20% lighter version of the original color is **61.8932, 68.9940, 104.6628**, and **13.5362, 15.6589, 29.0971** is the 20% darker color. If you saturate the color by 10%, you get **28.0873, 32.0249, 58.7346**, and if you desaturate by 10%, it is **36.4096, 40.5429, 59.9400**.

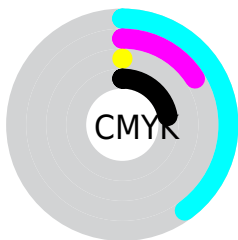
Distribution



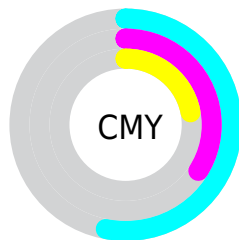
- Red (47%)
- Green (66%)
- Blue (78%)



- Red (47%)
- Yellow (58%)
- Blue (78%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9192, 36.0507, 59.3090 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 31.9192, 36.0507, 59.3090 by changing the saturation by 10% instead.

■ 31.9192, 36.0507,
59.3090

■ 31.9192, 36.0507,
59.3090

302.5029,
329.1821, 439.7798

■ 21.4550, 24.4734,
42.4403

■ 62.0504, 69.1103,
105.3602

■ 13.5714, 15.6851,
29.1180

■ 82.4482, 91.3614,
135.3797

■ 7.9029, 9.3016,
18.9238

■ 106.8880,
117.9391, 170.6199

■ 4.0841, 4.9384,
11.4390

135.7350,
149.2280, 211.4993

■ 1.7498, 2.2112,
6.2450

169.3546,
185.6123, 258.4364

■ 0.4872, 0.7261,
2.9235

208.1122,

■ 0.0000, 0.0000,

227.4765, 311.8499

1.0557

252.3732,
275.2050, 372.1581

■ 0.0000, 0.0000,
0.0000

■ 31.9192, 36.0507,
59.3090

■ 31.9192, 36.0507,
59.3090

■ 28.0873, 32.0249,
58.7346

■ 36.4096, 40.5429,
59.9400

■ 24.8730, 28.4400,
58.2120

■ 41.5895, 45.5171,
60.6272

■ 22.2361, 25.2736,
57.7398

■ 47.4915, 50.9931,
61.3731

■ 20.1292, 22.4992,
57.3153

■ 54.1455, 56.9882,
62.1795

■ 18.4967, 20.0857,
56.9355

■ 61.5794, 63.5188,
63.0483

■ 17.2550, 18.0156,
56.6014

■ 69.8196, 70.6005,
63.9808

■ 77.6651, 77.6158,
64.9214

■ 79.7600, 81.8058,
65.6198

■ 81.9499, 86.1855,
66.3497

Harmonies

Analogous

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



29.4030, 36.0507, 52.0362



31.9192, 36.0507, 59.3090



35.2264, 36.0507, 60.7854

Triad

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



31.9192, 36.0507, 59.3090



41.1315, 36.0507, 36.5881



30.3714, 36.0507, 26.3572

Complementary

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



31.9192, 36.0507, 59.3090



37.7901, 35.2876, 22.2734

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.



33.3215, 36.0507, 23.5212



31.9192, 36.0507, 59.3090



39.6356, 36.0507, 28.7563

Square

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



31.9192, 36.0507, 59.3090



40.6944, 36.0507, 46.5406



36.7232, 36.0507, 24.3205



28.5513, 36.0507, 32.7690

Rectangle

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



31.9192, 36.0507, 59.3090



37.4616, 36.0507, 58.0859



36.7232, 36.0507, 24.3205



31.2558, 36.0507, 25.0066

Sweetspot

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



31.9204, 36.0521, 59.3098



81.0079, 87.3180, 107.1922



33.5104, 46.9609, 36.0130



17.0372, 18.4116, 22.9058



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.



31.9204, 36.0521, 59.3098



50.1113, 57.0769, 102.9835



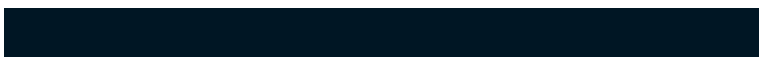
25.6804, 23.5721, 57.2299



10.5883, 11.3507, 13.5503



11.1823, 11.7585, 36.4246



0.5982, 0.6943, 1.7476

Inverse Universe

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



37.2189, 28.1641, 40.5217



60.9053, 42.4587, 64.3835



45.2251, 50.1575, 24.7517



10.9022, 10.7443, 12.4684



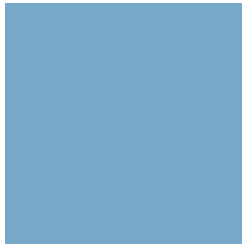
17.4436, 8.7270, 12.8119



0.8607, 0.4271, 0.7894

Previews

White Background



This preview shows how the XYZ color 31.9192, 36.0507, 59.3090 looks on a white background.

Color Contrast Check

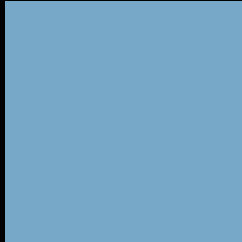
Large Text (above 18pt) WCAG AA × Fail

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 31.9192, 36.0507, 59.3090 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 31.9192, 36.0507, 59.3090

Background



This preview shows how black text looks on a background with the XYZ color 31.9192, 36.0507, 59.3090.

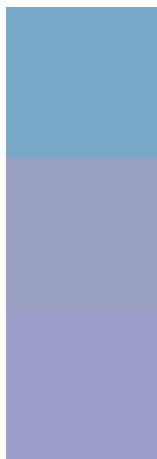


This preview shows how white text looks on a background with the XYZ color 31.9192, 36.0507,

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

31.9192, 36.0507, 59.3090

Protanopia

35.5229, 35.8619, 55.5019

Deuteranopia

36.6741, 35.8389, 60.2430



Tritanopia

30.2849, 36.2313, 50.7446

Trichromacy



Original Color

31.9192, 36.0507, 59.3090

Protanomaly

33.9320, 35.7972, 56.7509

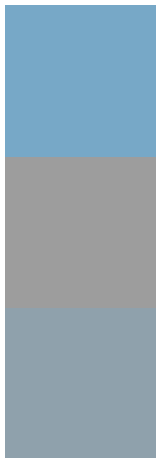
Deuteranomaly

34.6733, 35.8504, 59.7359

Tritanomaly

30.7625, 36.1366, 53.4978

Monochromacy



Original Color

31.9192, 36.0507, 59.3090

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5190, 34.3079, 43.9906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9192, 36.0507, 59.3090 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(119, 168, 199)` looks like.

```
.text, #text, p{  
    color:rgb(119, 168, 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(119, 168, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 168, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.9192, 36.0507, 59.3090 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(119, 168, 199) }
```


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

```
.border{ border-color:rgb(119, 168, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 168, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 168, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 168, 199);  
box-shadow:4px 4px 4px 4px rgb(119, 168,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9192, 36.0507, 59.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 168, 199) }
```

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

```
.background{ background-color: rgb(119,  
168, 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](#).

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