

Converting Colors

XYZ(31.3428, 32.9082, 62.9853)

Have a look what the booklet for
XYZ(31.3428, 32.9082, 62.9853)
contains.

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Color

**XYZ(31.3935, 33.0475,
63.1167)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9ECE
RGB	122, 158, 206
RGB Percent	48%, 62%, 81%
CMY	0.5216, 0.3804, 0.1922
CMYK	0.41, 0.23, 0.00, 0.19
HSL	214°, 46%, 64%
HSV	214°, 41%, 81%
XYZ	31.3935, 33.0475, 63.1167
YIQ	152.7080, -36.8640, 7.2960

Conversions

Conversions Part 2

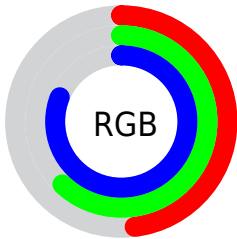
Format	Color
R_{YB}	122, 147, 206
Decimal	8036046
CIE _{Lab}	64.20, -0.06, -28.49
CIE _{LCh}	64, 28.485, 269.873
Yxy	33.0475, 0.2461, 0.2591
Android (android.graphics.Color)	4286226126 (0xFF7A9ECE)
YUV	152.7080, 26.2730, -26.9309
Hunter-Lab	57.4870, -3.1237, -24.8555

Details

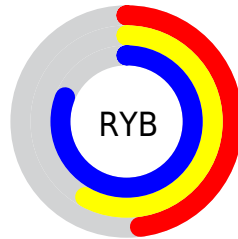
The XYZ color **31.3935, 33.0475, 63.1167** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.3421, 43.2775, 24.4827**, and the grayscale version is **30.0534, 31.6185, 34.4325**.

A 20% lighter version of the original color is **59.7249, 63.6541, 103.7464**, and **13.3091, 14.0113, 31.7088** is the 20% darker color. If you saturate the color by 10%, you get **26.8674, 27.8754, 62.3575**, and if you desaturate by 10%, it is **36.7324, 38.9255, 63.9705**.

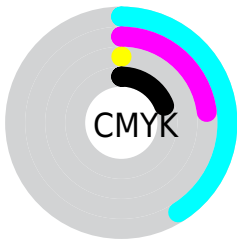
Distribution



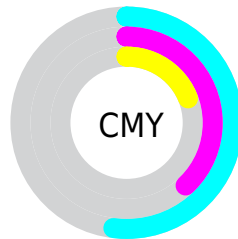
- Red (48%)
- Green (62%)
- Blue (81%)



- Red (48%)
- Yellow (58%)
- Blue (81%)



- Cyan (41%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (52%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3935, 33.0475, 63.1167 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 31.3935, 33.0475, 63.1167 by changing the saturation by 10% instead.

■ 31.3935, 33.0475,
63.1167

■ 31.3935, 33.0475,
63.1167

300.1417,
315.8637, 454.1125

■ 21.0520, 22.1628,
45.4940

■ 61.2307, 64.4497,
110.9251

■ 13.2747, 13.9766,
31.5009

■ 81.4571, 85.7360,
141.9478

■ 7.6963, 8.1044,
20.7189

■ 105.7091,
111.2583, 178.2743

■ 3.9514, 4.1618,
12.7295

134.3522,
141.4010, 220.3232

■ 1.6747, 1.7645,
7.1140

167.7516,
176.5485, 268.5129

■ 0.4403, 0.4649,
3.4540

206.2728,

■ 0.0000, 0.0000,

217.0852, 323.2620

1.3309

250.2810,
263.3955, 384.9890

■ 0.0000, 0.0000,
0.0869

■ 0.0000, 0.0000,
0.0000

■ 31.3935, 33.0475,
63.1167

■ 31.3935, 33.0475,
63.1167

■ 26.8674, 27.8754,
62.3575

■ 36.7324, 38.9255,
63.9705

■ 23.1060, 23.3745,
61.6870

■ 42.9218, 45.5345,
64.9199

■ 20.0608, 19.5119,
61.1020

■ 50.0012, 52.9028,
65.9690

■ 17.6758, 16.2502,
60.5981

■ 58.0061, 61.0559,
67.1208

■ 15.8849, 13.5460,
60.1705

■ 66.9703, 70.0182,
68.3783

■ 14.6539, 11.4827,
59.8372

■ 76.9257, 79.8127,
69.7441

■ 83.6596, 88.2741,
71.0224

■ 87.2460, 95.4468,
72.2178

■ 88.1407, 97.2363,
72.5161

Harmonies

Analogous

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



27.6723, 33.0475, 58.8477



31.3935, 33.0475, 63.1167



35.4391, 33.0475, 58.9160

Triad

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



31.3935, 33.0475, 63.1167



38.6363, 33.0475, 26.0044



25.1620, 33.0475, 25.9359

Complementary

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



31.3935, 33.0475, 63.1167



43.3421, 43.2775, 24.4827

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.



27.6997, 33.0475, 19.9394



31.3935, 33.0475, 63.1167



35.4713, 33.0475, 19.9726

Square

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



31.3935, 33.0475, 63.1167



39.8329, 33.0475, 36.0323



31.4278, 33.0475, 18.0117



24.2681, 33.0475, 35.9340

Rectangle

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



31.3935, 33.0475, 63.1167



37.7298, 33.0475, 52.3020



31.4278, 33.0475, 18.0117



25.8397, 33.0475, 23.4698

Sweetspot

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



31.3946, 33.0488, 63.1175



79.3479, 83.9979, 106.6389



37.3163, 51.1682, 45.7429



16.6467, 17.6306, 22.7756



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.



31.3946, 33.0488, 63.1175



44.3211, 46.0847, 101.1670



26.9433, 22.9349, 61.3999



10.9905, 11.6214, 14.2343



9.1155, 7.2550, 36.8762



0.5451, 0.5239, 1.9273

Inverse Universe

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



38.5857, 29.5107, 36.0114



57.8391, 40.6825, 49.9318



49.5113, 57.8830, 26.9767



11.4086, 11.2922, 12.6861



16.8120, 8.5354, 6.7286



0.9051, 0.4554, 0.5459

Previews

White Background



This preview shows how the XYZ color 31.3935, 33.0475, 63.1167 looks on a white background.

Color Contrast Check

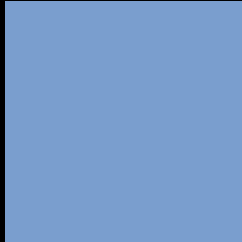
Large Text (above 18pt) WCAG AA × Fail

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 31.3935, 33.0475, 63.1167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

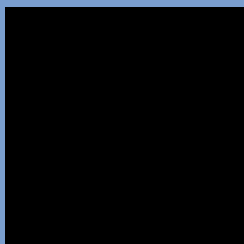
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

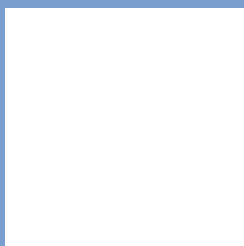
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3935, 33.0475, 63.1167

Background



This preview shows how black text looks on a background with the XYZ color 31.3935, 33.0475, 63.1167.

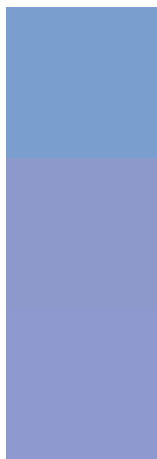


This preview shows how white text looks on a background with the XYZ color 31.3935, 33.0475,

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

31.3935, 33.0475, 63.1167

Protanopia

33.3261, 32.8450, 61.0832

Deuteranopia

33.6382, 32.9502, 63.6186



Tritanopia

27.8731, 32.9064, 45.9568

Trichromacy



Original Color

31.3935, 33.0475, 63.1167

Protanomaly

32.6121, 32.9532, 61.7685

Deuteranomaly

32.8153, 33.0160, 63.6747

Tritanomaly

29.0506, 32.8595, 51.8251

Monochromacy



Original Color

31.3935, 33.0475, 63.1167

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3231, 32.1720, 43.6414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3935, 33.0475, 63.1167 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(122, 158, 206)` looks like.

```
.text, #text, p{  
    color:rgb(122, 158, 206)  
}
```

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(122, 158, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 158, 206) }
```

Border

The CSS property to change the border of an element to XYZ 31.3935, 33.0475, 63.1167 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(122, 158, 206) }
```


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

```
.border{ border-color:rgb(122, 158, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 158, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 158, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 158, 206); box-shadow:4px 4px 4px 4px rgb(122, 158, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3935, 33.0475, 63.1167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 158, 206) }
```

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

```
.background{ background-color: rgb(122,  
158, 206) }
```

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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