

Converting Colors

XYZ(31.9363, 34.6067, 63.2236)

Have a look what the booklet for
XYZ(31.9363, 34.6067, 63.2236)
contains.

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Color

**XYZ(31.9835, 34.6437,
63.3937)**

Conversions

Conversions Part 1

Format	Color
Hex	78A3CE
RGB	120, 163, 206
RGB Percent	47%, 64%, 81%
CMY	0.5294, 0.3608, 0.1922
CMYK	0.42, 0.21, 0.00, 0.19
HSL	210°, 47%, 64%
HSV	210°, 42%, 81%
XYZ	31.9835, 34.6437, 63.3937
YIQ	155.0450, -39.4310, 4.2570

Conversions

Conversions Part 2

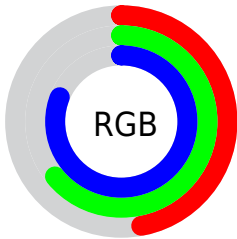
Format	Color
R_{YB}	120, 149, 206
Decimal	7906254
CIE _{Lab}	65.47, -3.39, -26.54
CIE _{LCh}	65, 26.753, 262.721
Yxy	34.6437, 0.2460, 0.2664
Android (android.graphics.Color)	4286096334 (0xFF78A3CE)
YUV	155.0450, 25.1208, -30.7345
Hunter-Lab	58.8589, -6.0075, -22.6568

Details

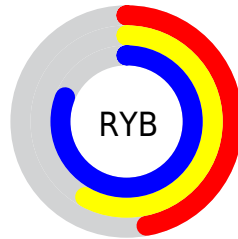
The XYZ color **31.9835, 34.6437, 63.3937** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.9418, 40.6731, 23.4106**, and the grayscale version is **31.0814, 32.7001, 35.6104**.

A 20% lighter version of the original color is **60.8006, 66.4768, 104.2345**, and **13.5987, 14.7941, 31.8446** is the 20% darker color. If you saturate the color by 10%, you get **27.6732, 29.8171, 62.6899**, and if you desaturate by 10%, it is **37.0597, 40.0877, 64.1776**.

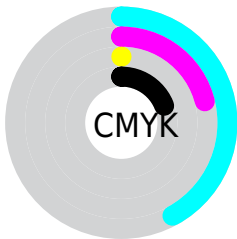
Distribution



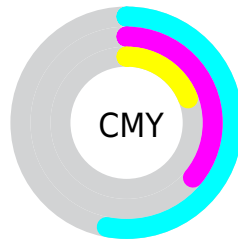
- Red (47%)
- Green (64%)
- Blue (81%)



- Red (47%)
- Yellow (58%)
- Blue (81%)



- Cyan (42%)
- Magenta (21%)
- Yellow (0%)
- Black (19%)



- Cyan (53%)
- Magenta (36%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9835, 34.6437, 63.3937 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 31.9835, 34.6437, 63.3937 by changing the saturation by 10% instead.

■ 31.9835, 34.6437,
63.3937

■ 31.9835, 34.6437,
63.3937

302.7907,
322.9928, 455.1441

■ 21.5044, 23.3885,
45.7167

■ 62.1506, 66.9334,
111.3284

■ 13.6077, 14.8807,
31.6753

■ 82.5693, 88.7368,
142.4231

■ 7.9282, 8.7357,
20.8508

■ 107.0319,
114.8250, 178.8276

■ 4.1005, 4.5692,
12.8248

135.9037,
145.5825, 220.9603

■ 1.7591, 1.9968,
7.1787

169.5501,
181.3936, 269.2397

■ 0.4929, 0.6056,
3.4940

208.3366,

■ 0.0000, 0.0000,

222.6428, 324.0845

1.3521

252.6283,
269.7144, 385.9131

■ 0.0000, 0.0000,
0.1039

■ 0.0000, 0.0000,
0.0000

■ 31.9835, 34.6437,
63.3937

■ 31.9835, 34.6437,
63.3937

■ 27.6732, 29.8171,
62.6899

■ 37.0597, 40.0877,
64.1776

■ 24.0819, 25.5763,
62.0606

■ 42.9378, 46.1707,
65.0419

■ 21.1627, 21.8924,
61.5034

■ 49.6560, 52.9178,
65.9901

■ 18.8609, 18.7316,
61.0146

■ 57.2484, 60.3514,
67.0248

■ 17.1114, 16.0545,
60.5901

■ 65.7474, 68.4928,
68.1483

■ 15.9911, 14.1571,
60.2829

■ 75.1836, 77.3623,
69.3630

■ 82.1183, 85.1916,
70.5087

■ 85.1549, 91.2648,
71.5209

■ 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.



28.5767, 34.6437, 57.6010



31.9835, 34.6437, 63.3937



35.9209, 34.6437, 61.2984

Triad

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



31.9835, 34.6437, 63.3937



40.3686, 34.6437, 29.9937



27.2953, 34.6437, 26.1147

Complementary

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



31.9835, 34.6437, 63.3937



41.9418, 40.6731, 23.4106

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.



30.1057, 34.6437, 21.1288



31.9835, 34.6437, 63.3937



37.6996, 34.6437, 23.0392

Square

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



31.9835, 34.6437, 63.3937



40.9711, 34.6437, 40.5182



33.8905, 34.6437, 20.1266



26.0127, 34.6437, 35.0558

Rectangle

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



31.9835, 34.6437, 63.3937



38.3019, 34.6437, 55.8741



33.8905, 34.6437, 20.1266



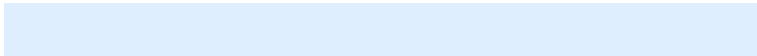
28.0815, 34.6437, 23.9992

Sweetspot

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



31.9846, 34.6450, 63.3945



78.8268, 84.1229, 106.6905



36.3011, 50.7298, 41.8605



16.3352, 17.4700, 22.7610



0.0000, 0.0000, 0.0000



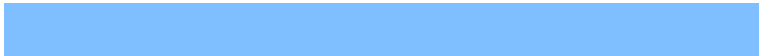
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9846, 34.6450, 63.3945



45.5626, 49.1416, 101.6916



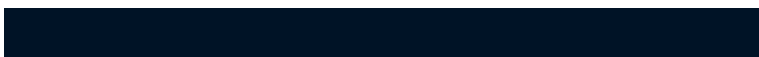
25.7775, 22.2308, 61.3255



11.0574, 11.7553, 14.2566



9.9438, 8.9116, 37.1523



0.5889, 0.6116, 1.9419

Inverse Universe

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



38.7819, 29.2002, 38.2439



58.3257, 40.3409, 54.1475



50.5723, 57.9342, 26.2875



11.4423, 11.3057, 12.8640



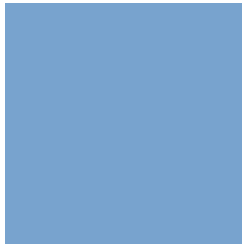
17.2301, 8.7026, 8.9302



0.9272, 0.4643, 0.6625

Previews

White Background



This preview shows how the XYZ color 31.9835, 34.6437, 63.3937 looks on a white background.

Color Contrast Check

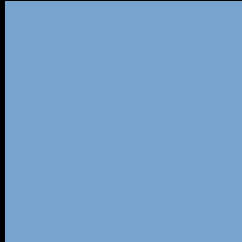
Large Text (above 18pt) WCAG AA × Fail

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 31.9835, 34.6437, 63.3937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

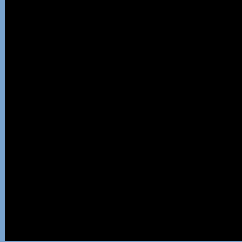
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9835, 34.6437, 63.3937

Background



This preview shows how black text looks on a background with the XYZ color 31.9835, 34.6437, 63.3937.

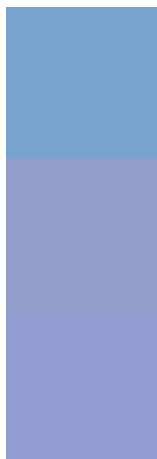


This preview shows how white text looks on a background with the XYZ color 31.9835, 34.6437,

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

31.9835, 34.6437, 63.3937

Protanopia

34.6322, 34.5340, 60.0988

Deuteranopia

35.3063, 34.5340, 64.4794



Tritanopia

28.9693, 34.4843, 48.8454

Trichromacy



Original Color

31.9835, 34.6437, 63.3937

Protanomaly

33.4942, 34.4264, 61.3795

Deuteranomaly

33.9771, 34.6196, 63.9230

Tritanomaly

30.1329, 34.7031, 53.8254

Monochromacy



Original Color

31.9835, 34.6437, 63.3937

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0222, 33.2605, 44.8293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9835, 34.6437, 63.3937 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(120, 163, 206)` looks like.

```
.text, #text, p{  
    color:rgb(120, 163, 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(120, 163, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 163, 206) }
```

Border

The CSS property to change the border of an element to XYZ 31.9835, 34.6437, 63.3937 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(120, 163, 206) }
```


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

```
.border{ border-color:rgb(120, 163, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 163, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 163, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 163, 206);  
box-shadow:4px 4px 4px 4px rgb(120, 163,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9835, 34.6437, 63.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 163, 206) }
```

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

```
.background{ background-color: rgb(120,  
163, 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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