

Converting Colors

XYZ(31.6770, 33.0376, 69.1670)

Have a look what the booklet for
XYZ(31.6770, 33.0376, 69.1670)
contains.

XYZ(31.6951, 33.0730, 69.0032)	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(31.6951, 33.0730,
69.0032)**

Conversions

Conversions Part 1

Format	Color
Hex	749ED7
RGB	116, 158, 215
RGB Percent	45%, 62%, 84%
CMY	0.5451, 0.3804, 0.1569
CMYK	0.46, 0.27, 0.00, 0.16
HSL	215°, 55%, 65%
HSV	215°, 46%, 84%
XYZ	31.6951, 33.0730, 69.0032
YIQ	151.9400, -43.3290, 8.8230

Conversions

Conversions Part 2

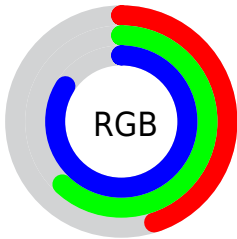
Format	Color
RYB	116, 145, 215
Decimal	7642839
CIELab	64.22, 0.95, -33.48
CIELCh	64, 33.494, 271.628
Yxy	33.0730, 0.2369, 0.2472
Android (android.graphics.Color)	4285832919 (0xFF749ED7)
YUV	151.9400, 31.0886, -31.5194
Hunter-Lab	57.5091, -2.2640, -30.8836

Details

The XYZ color **31.6951, 33.0730, 69.0032** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.1215, 45.5968, 22.8947**, and the grayscale version is **29.7037, 31.2507, 34.0320**.

A 20% lighter version of the original color is **58.6067, 63.0776, 103.6940**, and **13.4663, 14.0141, 35.2529** is the 20% darker color. If you saturate the color by 10%, you get **27.1548, 27.7546, 68.2166**, and if you desaturate by 10%, it is **37.1117, 39.1602, 69.8933**.

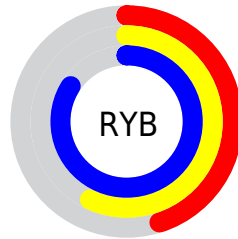
Distribution



Red (45%)

Green (62%)

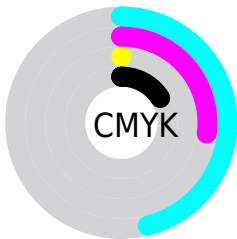
Blue (84%)



Red (45%)

Yellow (57%)

Blue (84%)

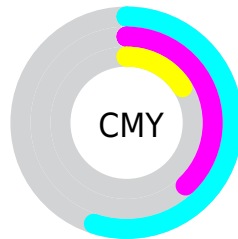


Cyan (46%)

Magenta (27%)

Yellow (0%)

Black (16%)



Cyan (55%)

Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6951, 33.0730, 69.0032 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 31.6951, 33.0730, 69.0032 by changing the saturation by 10% instead.

■ 31.6951, 33.0730,
69.0032

■ 31.6951, 33.0730,
69.0032

301.4980,
315.9785, 475.7365

■ 21.2831, 22.1824,
50.2425

■ 61.7012, 64.4895,
119.4539

■ 13.4448, 13.9910,
35.2336

■ 82.0261, 85.7841,
151.9810

■ 7.8146, 8.1144,
23.5579

■ 106.3860,
111.3156, 189.9340

■ 4.0274, 4.1682,
14.7968

135.1462,
141.4682, 233.7315

■ 1.7176, 1.7681,
8.5319

168.6722,
176.6264, 283.7919

■ 0.4673, 0.4672,
4.3445

207.3292,

■ 0.0000, 0.0000,

217.1746, 340.5339

1.8162

251.4827,
263.4972, 404.3759

■ 0.0000, 0.0000,
0.4386

■ 0.0000, 0.0000,
0.0000

■ 31.6951, 33.0730,
69.0032

■ 31.6951, 33.0730,
69.0032

■ 27.1548, 27.7546,
68.2166

■ 37.1117, 39.1602,
69.8933

■ 23.4349, 23.1650,
67.5268

■ 43.4491, 46.0460,
70.8884

■ 20.4777, 19.2654,
66.9299

■ 50.7525, 53.7631,
71.9930

■ 18.2154, 16.0104,
66.4209

■ 59.0631, 62.3409,
73.2107

■ 16.5650, 13.3466,
65.9937

■ 68.4196, 71.8073,
74.5447

■ 16.0250, 12.4246,
65.8442

■ 78.8585, 82.1888,
75.9983

■ 86.0542, 91.2629,
77.3706

■ 89.2659, 97.6863,
78.4411

Harmonies

Analogous

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



27.2907, 33.0730, 64.2832



31.6951, 33.0730, 69.0032



36.4727, 33.0730, 63.1958

Triad

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



31.6951, 33.0730, 69.0032



39.8722, 33.0730, 23.9602



24.0629, 33.0730, 24.9546

Complementary

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



31.6951, 33.0730, 69.0032



46.1215, 45.5968, 22.8947

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.



26.8838, 33.0730, 18.0124



31.6951, 33.0730, 69.0032



35.9787, 33.0730, 17.5482

Square

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



31.6951, 33.0730, 69.0032



41.4788, 33.0730, 35.2728



31.1761, 33.0730, 15.6793



23.1593, 33.0730, 36.7592

Rectangle

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



31.6951, 33.0730, 69.0032



39.1543, 33.0730, 54.8150



31.1761, 33.0730, 15.6793



24.8033, 33.0730, 22.0896

Sweetspot

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



31.6962, 33.0742, 69.0040



76.9035, 81.4261, 106.2713



38.9601, 55.2972, 47.7015



15.9196, 16.8649, 22.6662



0.0000, 0.0000, 0.0000



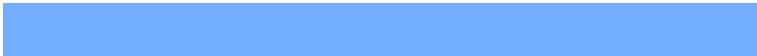
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6962, 33.0742, 69.0040



40.2716, 41.2162, 100.4407



26.6238, 21.5801, 67.0528



12.1713, 12.8661, 15.7794



9.6849, 7.6316, 39.4158



0.6652, 0.6224, 2.4044

Inverse Universe

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



40.4423, 29.4078, 35.8936



55.0065, 36.5302, 44.3236



53.5787, 63.3305, 25.9246



12.6397, 12.5074, 14.0428



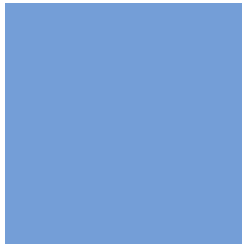
17.9474, 9.1153, 7.0269



1.1234, 0.5662, 0.6392

Previews

White Background



This preview shows how the XYZ color 31.6951, 33.0730, 69.0032 looks on a white background.

Color Contrast Check

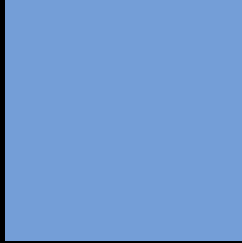
Large Text (above 18pt) WCAG AA × Fail

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 31.6951, 33.0730, 69.0032 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 31.6951, 33.0730, 69.0032

Background



This preview shows how black text looks on a background with the XYZ color 31.6951, 33.0730, 69.0032.

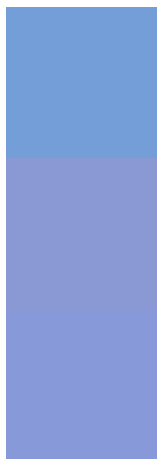


This preview shows how white text looks on a background with the XYZ color 31.6951, 33.0730,

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

31.6951, 33.0730, 69.0032

Protanopia

33.6303, 32.8889, 66.2037

Deuteranopia

33.7776, 32.8912, 69.5341



Tritanopia

27.3167, 33.1279, 47.0741

Trichromacy



Original Color

31.6951, 33.0730, 69.0032

Protanomaly

32.8109, 32.9420, 66.9165

Deuteranomaly

33.0181, 32.9898, 69.5932

Tritanomaly

28.6310, 32.8535, 54.1226

Monochromacy



Original Color

31.6951, 33.0730, 69.0032

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9409, 31.6953, 45.0972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6951, 33.0730, 69.0032 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(116, 158, 215)` looks like.

```
.text, #text, p{  
    color:rgb(116, 158, 215)  
}
```

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(116, 158, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 158, 215) }
```

Border

The CSS property to change the border of an element to XYZ 31.6951, 33.0730, 69.0032 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(116, 158, 215) }
```


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

```
.border{ border-color:rgb(116, 158, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 158, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 158, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 158, 215);  
box-shadow:4px 4px 4px 4px rgb(116, 158,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6951, 33.0730, 69.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 158, 215) }
```

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

```
.background{ background-color: rgb(116,  
158, 215) }
```

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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