

Converting Colors

XYZ(31.2138, 32.7438, 71.0055)

Have a look what the booklet for
XYZ(31.2138, 32.7438, 71.0055)
contains.

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Color

**XYZ(31.1884, 32.7669,
71.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	6D9EDA
RGB	109, 158, 218
RGB Percent	43%, 62%, 85%
CMY	0.5725, 0.3804, 0.1451
CMYK	0.50, 0.28, 0.00, 0.15
HSL	213°, 60%, 64%
HSV	213°, 50%, 85%
XYZ	31.1884, 32.7669, 71.0105
YIQ	150.1890, -48.4640, 8.2720

Conversions

Conversions Part 2

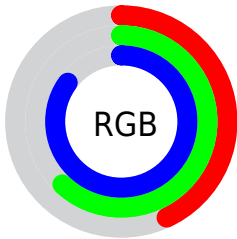
Format	Color
RYB	109, 143, 218
Decimal	7184090
CIELab	63.97, 0.16, -35.56
CIELCh	64, 35.559, 270.264
Yxy	32.7669, 0.2311, 0.2428
Android (android.graphics.Color)	4285374170 (0xFF6D9EDA)
YUV	150.1890, 33.4308, -36.1228
Hunter-Lab	57.2424, -2.9188, -33.4810

Details

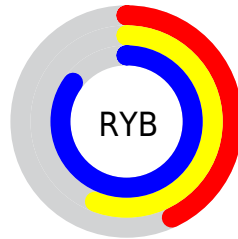
The XYZ color **31.1884, 32.7669, 71.0105** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.8628, 44.3869, 20.6196**, and the grayscale version is **28.9479, 30.4555, 33.1660**.

A 20% lighter version of the original color is **57.3194, 62.4140, 103.6338**, and **13.1839, 13.8378, 36.6264** is the 20% darker color. If you saturate the color by 10%, you get **26.8839, 27.6566, 70.2516**, and if you desaturate by 10%, it is **36.3601, 38.6222, 71.8687**.

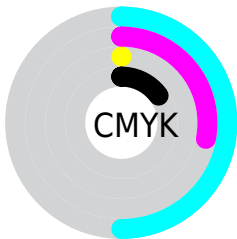
Distribution



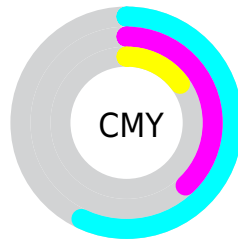
- Red (43%)
- Green (62%)
- Blue (85%)



- Red (43%)
- Yellow (56%)
- Blue (85%)



- Cyan (50%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (57%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1884, 32.7669, 71.0105 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 31.1884, 32.7669, 71.0105 by changing the saturation by 10% instead.

■ 31.1884, 32.7669,
71.0105

■ 31.1884, 32.7669,
71.0105

299.2167,
314.5981, 482.9748

■ 20.8949, 21.9479,
51.8689

■ 60.9104, 64.0114,
122.3433

■ 13.1592, 13.8186,
36.5191

■ 81.0696, 85.2058,
155.3715

■ 7.6160, 7.9946,
24.5425

■ 105.2480,
110.6274, 193.8657

■ 3.9000, 4.0915,
15.5206

133.8111,
140.6607, 238.2444

■ 1.6457, 1.7249,
9.0349

167.1242,
175.6900, 288.9261

■ 0.4219, 0.4397,
4.6668

205.5525,

■ 0.0000, 0.0000,

216.0997, 346.3293

1.9978

249.4616,
262.2743, 410.8727

■ 0.0000, 0.0000,
0.5539

■ 0.0000, 0.0000,
0.0000

■ 31.1884, 32.7669,
71.0105

■ 31.1884, 32.7669,
71.0105

■ 26.8839, 27.6566,
70.2516

■ 36.3601, 38.6222,
71.8687

■ 23.3873, 23.2505,
69.5854

■ 42.4459, 45.2530,
72.8278

■ 20.6366, 19.5083,
69.0081

■ 49.4934, 52.6921,
73.8923

■ 18.5577, 16.3826,
68.5144

■ 57.5454, 60.9694,
75.0656

■ 17.0229, 13.7977,
68.0963

■ 66.6422, 70.1127,
76.3510

■ 17.0226, 13.7973,
68.0962

■ 76.8219, 80.1487,
77.7516

■ 85.6482, 89.8284,
79.1548

■ 89.3380, 97.2080,
80.3847

■ 89.6550, 97.8420,
80.4904

Harmonies

Analogous

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



26.6038, 32.7669, 65.4136



31.1884, 32.7669, 71.0105



36.2584, 32.7669, 65.2232

Triad

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



31.1884, 32.7669, 71.0105



40.2322, 32.7669, 23.4959



23.5022, 32.7669, 23.6631

Complementary

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



31.1884, 32.7669, 71.0105



45.8628, 44.3869, 20.6196

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.



26.5346, 32.7669, 16.7528



31.1884, 32.7669, 71.0105



36.1733, 32.7669, 16.6761

Square

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



31.1884, 32.7669, 71.0105



41.8104, 32.7669, 35.5505



31.0996, 32.7669, 14.5815



22.4660, 32.7669, 35.8050

Rectangle

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



31.1884, 32.7669, 71.0105



39.1592, 32.7669, 56.3915



31.0996, 32.7669, 14.5815



24.3046, 32.7669, 20.7815

Sweetspot

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



31.1895, 32.7681, 71.0113



75.9981, 80.7476, 106.1881



38.5359, 56.2576, 46.3405



15.7520, 16.7526, 22.6533



0.0000, 0.0000, 0.0000



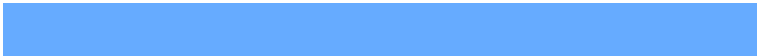
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1895, 32.7681, 71.0113



38.0507, 39.0872, 100.1468



25.1229, 19.6082, 68.7909



12.8183, 13.5762, 16.5970



10.3024, 8.4743, 40.8311



0.7527, 0.7194, 2.6736

Inverse Universe

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



40.5546, 28.3126, 35.6763



53.3210, 33.6946, 42.1112



55.1427, 65.3266, 24.1723



13.2981, 13.1483, 14.8312



18.6955, 9.4792, 8.0426



1.2542, 0.6313, 0.7475

Previews

White Background



This preview shows how the XYZ color 31.1884, 32.7669, 71.0105 looks on a white background.

Color Contrast Check

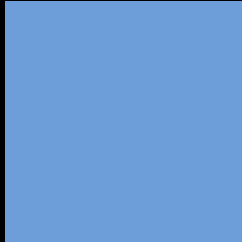
Large Text (above 18pt) WCAG AA × Fail

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 31.1884, 32.7669, 71.0105 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 31.1884, 32.7669, 71.0105

Background



This preview shows how black text looks on a background with the XYZ color 31.1884, 32.7669, 71.0105.

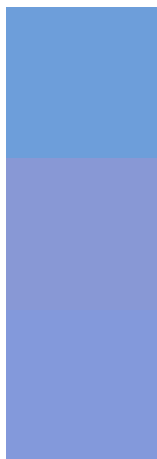


This preview shows how white text looks on a background with the XYZ color 31.1884, 32.7669,

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

31.1884, 32.7669, 71.0105

Protanopia

33.3918, 32.4948, 67.4630

Deuteranopia

33.5375, 32.7222, 71.5662



Tritanopia

26.4157, 32.6517, 47.5580

Trichromacy



Original Color

31.1884, 32.7669, 71.0105

Protanomaly

32.4255, 32.4531, 68.8450

Deuteranomaly

32.6759, 32.7681, 71.6205

Tritanomaly

27.9128, 32.4576, 55.2459

Monochromacy



Original Color

31.1884, 32.7669, 71.0105

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1208, 31.0285, 45.0117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1884, 32.7669, 71.0105 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(109, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(109, 158, 218)  
}
```

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(109, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 158, 218) }
```

Border

The CSS property to change the border of an element to XYZ 31.1884, 32.7669, 71.0105 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(109, 158, 218) }
```


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

```
.border{ border-color:rgb(109, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 158, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 158, 218);  
box-shadow:4px 4px 4px 4px rgb(109, 158,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1884, 32.7669, 71.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 158, 218) }
```

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

```
.background{ background-color: rgb(109,  
158, 218) }
```

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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