

Converting Colors

XYZ(30.7814, 32.0676, 74.3729)

Have a look what the booklet for
XYZ(30.7814, 32.0676, 74.3729)
contains.

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Color

**XYZ(30.6872, 31.9294,
74.3576)**

Conversions

Conversions Part 1

Format	Color
Hex	669CDF
RGB	102, 156, 223
RGB Percent	40%, 61%, 87%
CMY	0.6000, 0.3882, 0.1255
CMYK	0.54, 0.30, 0.00, 0.13
HSL	213°, 65%, 64%
HSV	213°, 54%, 87%
XYZ	30.6872, 31.9294, 74.3576
YIQ	147.4920, -53.6910, 9.3890

Conversions

Conversions Part 2

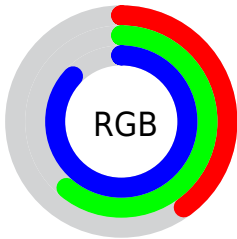
Format	Color
R _Y B	102, 139, 223
Decimal	6724831
CIE Lab	63.28, 1.27, -39.43
CIE LCh	63, 39.447, 271.843
Yxy	31.9294, 0.2240, 0.2331
Android (android.graphics.Color)	4284914911 (0xFF669CDF)
YUV	147.4920, 37.2254, -39.8965
Hunter-Lab	56.5061, -1.9463, -38.4667

Details

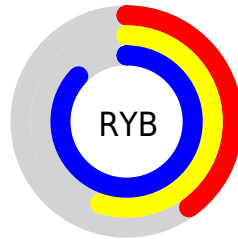
The XYZ color **30.6872, 31.9294, 74.3576** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.0190, 45.0250, 18.7844**, and the grayscale version is **27.8044, 29.2524, 31.8558**.

A 20% lighter version of the original color is **55.5938, 60.7868, 103.4107**, and **12.8260, 13.3052, 38.4514** is the 20% darker color. If you saturate the color by 10%, you get **26.5238, 26.8623, 73.5996**, and if you desaturate by 10%, it is **35.7432, 37.7705, 75.2192**.

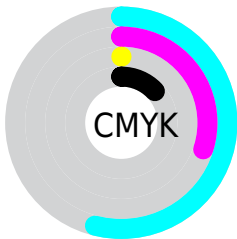
Distribution



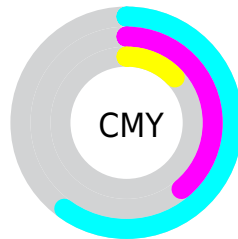
- Red (40%)
- Green (61%)
- Blue (87%)



- Red (40%)
- Yellow (55%)
- Blue (87%)



- Cyan (54%)
- Magenta (30%)
- Yellow (0%)
- Black (13%)



- Cyan (60%)
- Magenta (39%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6872, 31.9294, 74.3576 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 30.6872, 31.9294, 74.3576 by changing the saturation by 10% instead.

■ 30.6872, 31.9294,
74.3576

■ 30.6872, 31.9294,
74.3576

296.9473,
310.7975, 494.9030

■ 20.5114, 21.3076,
54.5882

■ 60.1265, 62.7004,
127.1413

■ 12.8778, 13.3490,
38.6758

■ 80.1207, 83.6184,
160.9927

■ 7.4208, 7.6693,
26.2017

■ 104.1184,
108.7372, 200.3752

■ 3.7753, 3.8841,
16.7475

■ 132.4850,
138.4412, 245.7074

■ 1.5758, 1.6089,
9.8946

165.5858,
173.1148, 297.4077

■ 0.3766, 0.3636,
5.2244

203.7863,

■ 0.0000, 0.0000,

213.1425, 355.8947

2.3185

247.4517,
258.9086, 421.5870

■ 0.0000, 0.0000,
0.7416

■ 0.0000, 0.0000,
0.0000

■ 30.6872, 31.9294,
74.3576

■ 30.6872, 31.9294,
74.3576

■ 26.5238, 26.8623,
73.5996

■ 35.7432, 37.7705,
75.2192

■ 23.1874, 22.5244,
72.9382

■ 41.7441, 44.4197,
76.1863

■ 20.6079, 18.8705,
72.3688

■ 48.7417, 51.9130,
77.2639

■ 18.6996, 15.8460,
71.8856

■ 56.7830, 60.2827,
78.4556

■ 17.8305, 14.3500,
71.6427

■ 65.9119, 69.5594,
79.7650

■ 76.1694, 79.7720,
81.1956

■ 86.4426, 90.3541,
82.6967

■ 90.2518, 97.9725,
83.9664

■ 90.3194, 98.1078,
83.9890

Harmonies

Analogous

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



25.6541, 31.9294, 68.6249



30.6872, 31.9294, 74.3576



36.2370, 31.9294, 67.1128

Triad

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



30.6872, 31.9294, 74.3576



40.1793, 31.9294, 21.1815



21.9935, 31.9294, 22.4094

Complementary

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



30.6872, 31.9294, 74.3576



47.0190, 45.0250, 18.7844

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.



25.1342, 31.9294, 14.9537



30.6872, 31.9294, 74.3576



35.5820, 31.9294, 14.4089

Square

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



30.6872, 31.9294, 74.3576



42.1099, 31.9294, 33.8066



30.0112, 31.9294, 12.5262



21.0095, 31.9294, 35.7427

Rectangle

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



30.6872, 31.9294, 74.3576



39.3842, 31.9294, 56.8723



30.0112, 31.9294, 12.5262



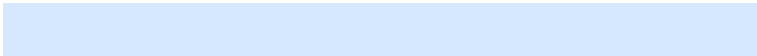
22.8118, 31.9294, 19.2893

Sweetspot

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



30.6884, 31.9305, 74.3584



74.8115, 79.4894, 106.0077



38.9875, 58.4487, 46.5433



15.5156, 16.4992, 22.6169



0.0000, 0.0000, 0.0000



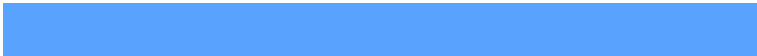
20.3446, 21.4041, 23.3091

Same Dimension

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



30.6884, 31.9305, 74.3584



35.3300, 35.6286, 99.6227



24.2624, 18.0232, 72.0127



13.4531, 14.2453, 17.4282



10.5931, 8.6558, 42.1608



0.8226, 0.7766, 2.9518

Inverse Universe

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



41.1845, 27.5923, 34.6086



51.4638, 31.0987, 38.0437



57.3872, 68.4794, 22.7651



13.9602, 13.8017, 15.5604



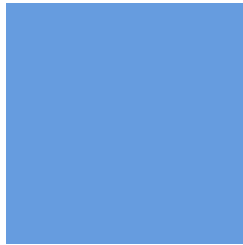
19.2871, 9.7818, 8.1776



1.3815, 0.6959, 0.8016

Previews

White Background



This preview shows how the XYZ color 30.6872, 31.9294, 74.3576 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 30.6872, 31.9294, 74.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

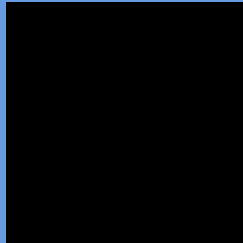
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

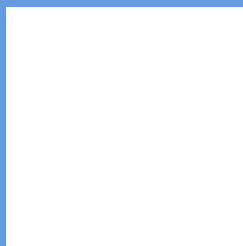
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6872, 31.9294, 74.3576

Background



This preview shows how black text looks on a background with the XYZ color 30.6872, 31.9294, 74.3576.

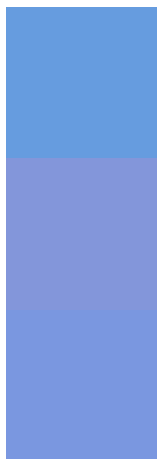


This preview shows how white text looks on a background with the XYZ color 30.6872, 31.9294,

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

30.6872, 31.9294, 74.3576

Protanopia

32.9213, 31.6999, 70.7132

Deuteranopia

32.5472, 31.6526, 74.9152



Tritanopia

25.3288, 32.1031, 46.9810

Trichromacy



Original Color

30.6872, 31.9294, 74.3576

Protanomaly

31.8922, 31.6168, 72.1319

Deuteranomaly

31.9160, 31.8091, 74.9786

Tritanomaly

27.0716, 32.0110, 55.7909

Monochromacy



Original Color

30.6872, 31.9294, 74.3576

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.0043, 29.7331, 44.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6872, 31.9294, 74.3576 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(102, 156, 223)` looks like.

```
.text, #text, p{  
    color:rgb(102, 156, 223)  
}
```

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(102, 156, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 156, 223) }
```

Border

The CSS property to change the border of an element to XYZ 30.6872, 31.9294, 74.3576 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(102, 156, 223) }
```


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

```
.border{ border-color:rgb(102, 156, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 156, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 156, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 156, 223); box-shadow:4px 4px 4px 4px rgb(102, 156, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6872, 31.9294, 74.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 156, 223) }
```

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

```
.background{ background-color: rgb(102,  
156, 223) }
```

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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