

Converting Colors

XYZ(30.5974, 29.8601, 67.7692)

Have a look what the booklet for
XYZ(30.5974, 29.8601, 67.7692)
contains.

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Color

**XYZ(30.5974, 29.8601,
67.7692)**

Conversions

Conversions Part 1

Format	Color
Hex	7A93D6
RGB	122, 147, 214
RGB Percent	48%, 58%, 84%
CMY	0.5216, 0.4235, 0.1608
CMYK	0.43, 0.31, 0.00, 0.16
HSL	224°, 53%, 66%
HSV	224°, 43%, 84%
XYZ	30.5974, 29.8601, 67.7692
YIQ	147.1630, -36.4070, 15.5370

Conversions

Conversions Part 2

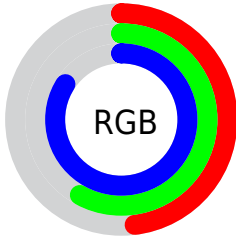
Format	Color
RYB	122, 142, 214
Decimal	8033238
CIELab	61.53, 8.48, -37.08
CIElCh	62, 38.040, 282.884
Yxy	29.8601, 0.2386, 0.2329
Android (android.graphics.Color)	4286223318 (0xFF7A93D6)
YUV	147.1630, 32.9506, -22.0680
Hunter-Lab	54.6444, 4.3210, -35.2795

Details

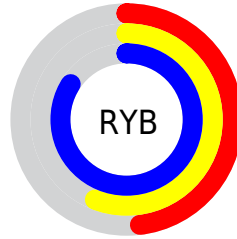
The XYZ color **30.5974, 29.8601, 67.7692** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.4430, 52.0978, 25.8637**, and the grayscale version is **27.6803, 29.1218, 31.7137**.

A 20% lighter version of the original color is **57.2967, 58.4583, 102.8715**, and **12.8474, 12.2459, 34.4874** is the 20% darker color. If you saturate the color by 10%, you get **25.6328, 23.9440, 66.8895**, and if you desaturate by 10%, it is **36.5596, 36.7790, 68.7910**.

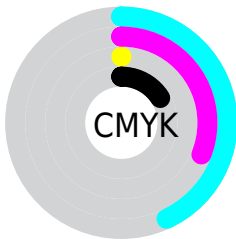
Distribution



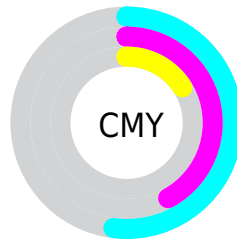
- Red (48%)
- Green (58%)
- Blue (84%)



- Red (48%)
- Yellow (56%)
- Blue (84%)



- Cyan (43%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (52%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5974, 29.8601, 67.7692 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 30.5974, 29.8601, 67.7692 by changing the saturation by 10% instead.

■ 30.5974, 29.8601,
67.7692

■ 30.5974, 29.8601,
67.7692

296.5393,
301.2518, 471.2537

■ 20.4428, 19.7324,
49.2445

■ 59.9858, 59.4409,
117.6730

■ 12.8274, 12.2007,
34.4465

■ 79.9504, 79.6627,
149.8891

■ 7.3860, 6.8805,
22.9567

■ 103.9156,
104.0181, 187.5062

■ 3.7531, 3.3875,
14.3565

132.2468,
132.8915, 230.9427

■ 1.5634, 1.3372,
8.2275

165.3095,
166.6671, 280.6171

■ 0.3684, 0.1697,
4.1510

203.4689,

■ 0.0000, 0.0000,

205.7294, 336.9481

1.7085

247.0904,
250.4629, 400.3541

■ 0.0000, 0.0000,
0.3666

■ 0.0000, 0.0000,
0.0000

■ 30.5974, 29.8601,
67.7692

■ 30.5974, 29.8601,
67.7692

■ 25.6328, 23.9440,
66.8895

■ 36.5596, 36.7790,
68.7910

■ 21.6053, 18.9783,
66.1433

■ 43.5689, 44.7430,
69.9588

■ 18.4522, 14.9107,
65.5243

■ 51.6750, 53.7956,
71.2789

■ 16.1014, 11.6814,
65.0249

■ 60.9237, 63.9770,
72.7566

■ 14.4677, 9.2224,
64.6364

■ 71.3580, 75.3252,
74.3971

■ 13.6584, 7.8964,
64.4231

■ 83.0185, 87.8764,
76.2051

■ 89.1377, 97.6351,
77.7662

Harmonies

Analogous

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



25.6233, 29.8601, 66.9072



30.5974, 29.8601, 67.7692



35.5004, 29.8601, 57.3855

Triad

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



30.5974, 29.8601, 67.7692



36.0912, 29.8601, 17.0460



20.0899, 29.8601, 25.0088

Complementary

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



30.5974, 29.8601, 67.7692



49.4430, 52.0978, 25.8637

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.



22.2836, 29.8601, 16.1208



30.5974, 29.8601, 67.7692



31.3301, 29.8601, 12.5463

Square

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



30.5974, 29.8601, 67.7692



38.9157, 29.8601, 26.7081



26.2745, 29.8601, 12.2672



19.9431, 29.8601, 39.1024

Rectangle

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



30.5974, 29.8601, 67.7692



37.9109, 29.8601, 46.8754



26.2745, 29.8601, 12.2672



20.5993, 29.8601, 21.4315

Sweetspot

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



30.5985, 29.8612, 67.7699



76.6644, 79.7982, 105.9697



41.1435, 55.8595, 56.1537



15.8043, 16.4082, 22.5841



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.



30.5985, 29.8612, 67.7699



38.4334, 35.9880, 99.5285



30.2423, 24.5204, 66.7578



12.0145, 12.5523, 15.7271



8.3301, 4.9219, 38.9641



0.5713, 0.4346, 2.3731

Inverse Universe

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



39.9585, 30.3230, 31.3517



54.4575, 37.7610, 36.9612



49.8255, 60.9771, 27.5574



12.5605, 12.4757, 13.6258



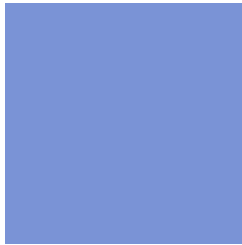
17.2635, 8.8417, 3.4257



1.0760, 0.5472, 0.3897

Previews

White Background



This preview shows how the XYZ color 30.5974, 29.8601, 67.7692 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5974, 29.8601, 67.7692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

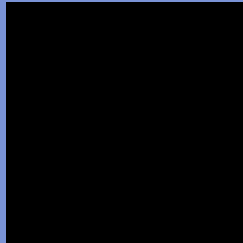
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5974, 29.8601, 67.7692

Background



This preview shows how black text looks on a background with the XYZ color 30.5974, 29.8601, 67.7692.



This preview shows how white text looks on a background with the XYZ color 30.5974, 29.8601,

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

30.5974, 29.8601, 67.7692

Protanopia

31.0415, 29.8739, 67.0810

Deuteranopia

30.5974, 29.8601, 67.7692



Tritanopia

25.3868, 29.9191, 41.4827

Trichromacy



Original Color

30.5974, 29.8601, 67.7692

Protanomaly

30.7466, 29.7218, 67.0672

Deuteranomaly

30.5974, 29.8601, 67.7692

Tritanomaly

27.0876, 29.8627, 50.2353

Monochromacy



Original Color

30.5974, 29.8601, 67.7692

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.2656, 29.2110, 42.6766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5974, 29.8601, 67.7692 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, 147, 214)` looks like.

```
.text, #text, p{  
    color:rgb(122, 147, 214)  
}
```

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, 147, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 147, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.5974, 29.8601, 67.7692 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, 147, 214) }
```


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

```
.border{ border-color:rgb(122, 147, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 147, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 147, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 147, 214);  
box-shadow:4px 4px 4px 4px rgb(122, 147,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5974, 29.8601, 67.7692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 147, 214) }
```

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

```
.background{ background-color: rgb(122,  
147, 214) }
```

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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