

Converting Colors

XYZ(30.5846, 29.8387, 68.4374)

Have a look what the booklet for
XYZ(30.5846, 29.8387, 68.4374)
contains.

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Color

**XYZ(30.5846, 29.8387,
68.4374)**

Conversions

Conversions Part 1

Format	Color
Hex	7993D7
RGB	121, 147, 215
RGB Percent	47%, 58%, 84%
CMY	0.5255, 0.4235, 0.1569
CMYK	0.44, 0.32, 0.00, 0.16
HSL	223°, 54%, 66%
HSV	223°, 44%, 84%
XYZ	30.5846, 29.8387, 68.4374
YIQ	146.9780, -37.3240, 15.6360

Conversions

Conversions Part 2

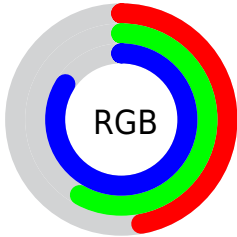
Format	Color
R_{YB}	121, 141, 215
Decimal	7967703
CIE _{Lab}	61.51, 8.51, -37.67
CIE _{LCh}	62, 38.624, 282.735
Yxy	29.8387, 0.2373, 0.2316
Android (android.graphics.Color)	4286157783 (0xFF7993D7)
YUV	146.9780, 33.5348, -22.7827
Hunter-Lab	54.6248, 4.3493, -36.0449

Details

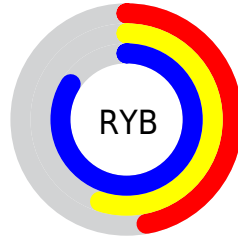
The XYZ color **30.5846, 29.8387, 68.4374** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.6741, 52.2239, 25.5526**, and the grayscale version is **27.6019, 29.0393, 31.6238**.

A 20% lighter version of the original color is **57.0681, 58.3404, 102.8608**, and **12.8666, 12.2457, 34.9432** is the 20% darker color. If you saturate the color by 10%, you get **25.6434, 23.9410, 67.5600**, and if you desaturate by 10%, it is **36.5263, 36.7388, 69.4566**.

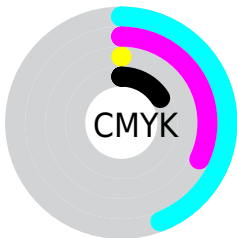
Distribution



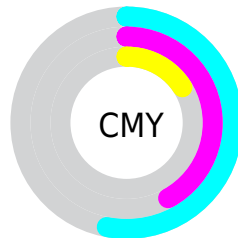
- Red (47%)
- Green (58%)
- Blue (84%)



- Red (47%)
- Yellow (55%)
- Blue (84%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5846, 29.8387, 68.4374 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 30.5846, 29.8387, 68.4374 by changing the saturation by 10% instead.

■ 30.5846, 29.8387,
68.4374

■ 30.5846, 29.8387,
68.4374

296.4812,
301.1519, 473.6843

■ 20.4330, 19.7162,
49.7848

■ 59.9658, 59.4070,
118.6378

■ 12.8203, 12.1889,
34.8724

■ 79.9261, 79.6216,
151.0226

■ 7.3811, 6.8725,
23.2818

■ 103.8866,
103.9690, 188.8219

■ 3.7500, 3.3825,
14.5945

132.2129,
132.8336, 232.4542

■ 1.5617, 1.3345,
8.3919

165.2701,
166.5997, 282.3380

■ 0.3672, 0.1677,
4.2553

203.4236,

■ 0.0000, 0.0000,

205.6519, 338.8920

1.7664

247.0388,
250.3745, 402.5345

■ 0.0000, 0.0000,
0.4057

■ 0.0000, 0.0000,
0.0000

■ 30.5846, 29.8387,
68.4374

■ 30.5846, 29.8387,
68.4374

■ 25.6434, 23.9410,
67.5600

■ 36.5263, 36.7388,
69.4566

■ 21.6414, 18.9930,
66.8159

■ 43.5187, 44.6836,
70.6216

■ 18.5151, 14.9418,
66.1987

■ 51.6121, 53.7170,
71.9387

■ 16.1910, 11.7276,
65.7008

■ 60.8527, 63.8794,
73.4132

■ 14.5820, 9.2811,
65.3134

■ 71.2839, 75.2088,
75.0502

■ 13.8539, 8.0825,
65.1204

■ 82.9470, 87.7415,
76.8545

■ 89.2658, 97.6863,
78.4410

Harmonies

Analogous

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



25.5406, 29.8387, 67.4947



30.5846, 29.8387, 68.4374



35.5725, 29.8387, 57.8816

Triad

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



30.5846, 29.8387, 68.4374



36.2158, 29.8387, 16.8779



19.9671, 29.8387, 24.8256

Complementary

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



30.5846, 29.8387, 68.4374



49.6741, 52.2239, 25.5526

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.



22.1963, 29.8387, 15.8807



30.5846, 29.8387, 68.4374



31.3813, 29.8387, 12.3309

Square

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



30.5846, 29.8387, 68.4374



39.0768, 29.8387, 26.6672



26.2475, 29.8387, 12.0312



19.8083, 29.8387, 39.1025

Rectangle

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



30.5846, 29.8387, 68.4374



38.0327, 29.8387, 47.1774



26.2475, 29.8387, 12.0312



20.4856, 29.8387, 21.2181

Sweetspot

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



30.5857, 29.8398, 68.4381



76.7095, 79.8884, 105.9847



41.3032, 56.3133, 56.4780



15.8153, 16.4302, 22.5877



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.



30.5857, 29.8398, 68.4381



38.5440, 36.2092, 99.5653



30.1512, 24.2773, 67.3873



12.0194, 12.5622, 15.7288



8.3631, 4.9881, 38.9752



0.5738, 0.4397, 2.3739

Inverse Universe

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



40.1291, 30.2296, 31.3247



54.5133, 37.7833, 37.2551



50.1635, 61.5354, 27.3241



12.5630, 12.4767, 13.6390



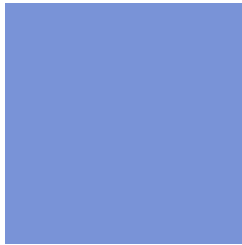
17.2802, 8.8484, 3.5136



1.0773, 0.5477, 0.3964

Previews

White Background



This preview shows how the XYZ color 30.5846, 29.8387, 68.4374 looks on a white background.

Color Contrast Check

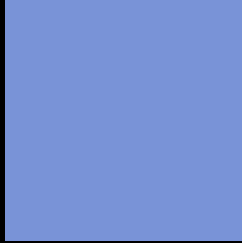
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5846, 29.8387, 68.4374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

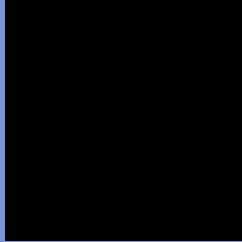
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5846, 29.8387, 68.4374

Background



This preview shows how black text looks on a background with the XYZ color 30.5846, 29.8387, 68.4374.

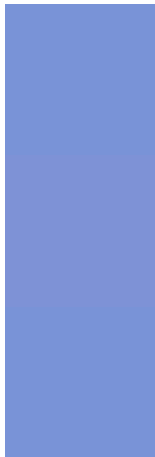


This preview shows how white text looks on a background with the XYZ color 30.5846, 29.8387,

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

30.5846, 29.8387, 68.4374

Protanopia

31.0207, 29.8484, 67.7447

Deuteranopia

30.5846, 29.8387, 68.4374



Tritanopia

25.2342, 29.8297, 41.9638

Trichromacy



Original Color

30.5846, 29.8387, 68.4374

Protanomaly

30.7287, 29.6979, 67.7310

Deuteranomaly

30.5846, 29.8387, 68.4374

Tritanomaly

27.0642, 29.8383, 50.7873

Monochromacy



Original Color

30.5846, 29.8387, 68.4374

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3613, 29.2493, 43.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5846, 29.8387, 68.4374 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(121, 147, 215)` looks like.

```
.text, #text, p{  
    color:rgb(121, 147, 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(121, 147, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 147, 215) }
```

Border

The CSS property to change the border of an element to XYZ 30.5846, 29.8387, 68.4374 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(121, 147, 215) }
```


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

```
.border{ border-color:rgb(121, 147, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 147, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 147, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 147, 215);  
box-shadow:4px 4px 4px 4px rgb(121, 147,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5846, 29.8387, 68.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 147, 215) }
```

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

```
.background{ background-color: rgb(121,  
147, 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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