

Converting Colors

XYZ(28.7175, 31.7674, 49.6975)

Have a look what the booklet for
XYZ(28.7175, 31.7674, 49.6975)
contains.

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Color

**XYZ(28.7347, 31.7122,
49.9540)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9DB8
RGB	122, 157, 184
RGB Percent	48%, 62%, 72%
CMY	0.5216, 0.3843, 0.2784
CMYK	0.34, 0.15, 0.00, 0.28
HSL	206°, 30%, 60%
HSV	206°, 34%, 72%
XYZ	28.7347, 31.7122, 49.9540
YIQ	149.6130, -29.5270, 0.9770

Conversions

Conversions Part 2

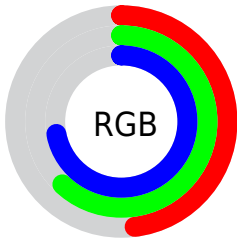
Format	Color
R _{YB}	122, 144, 184
Decimal	8035768
CIE Lab	63.10, -5.39, -17.87
CIE LCh	63, 18.661, 253.214
Yxy	31.7122, 0.2603, 0.2872
Android (android.graphics.Color)	4286225848 (0xFF7A9DB8)
YUV	149.6130, 16.9528, -24.2166
Hunter-Lab	56.3136, -7.4670, -13.1748

Details

The XYZ color **28.7347, 31.7122, 49.9540** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.0279, 33.0907, 23.0068**, and the grayscale version is **28.7658, 30.2639, 32.9574**.

A 20% lighter version of the original color is **57.1762, 62.6083, 91.5092**, and **11.8493, 13.2864, 23.4127** is the 20% darker color. If you saturate the color by 10%, you get **25.0606, 27.8719, 49.4069**, and if you desaturate by 10%, it is **32.9929, 35.9871, 50.5553**.

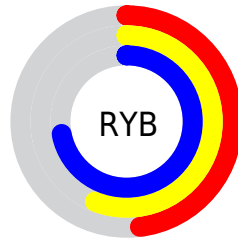
Distribution



Red (48%)

Green (62%)

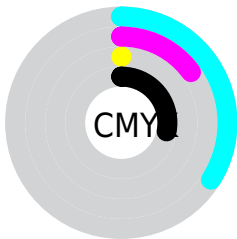
Blue (72%)



Red (48%)

Yellow (56%)

Blue (72%)

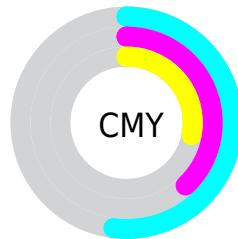


Cyan (34%)

Magenta (15%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7347, 31.7122, 49.9540 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 28.7347, 31.7122, 49.9540 by changing the saturation by 10% instead.

■ 28.7347, 31.7122,
49.9540

■ 28.7347, 31.7122,
49.9540

287.9780,
309.8061, 403.2159

■ 19.0235, 21.1418,
35.0059

■ 57.0558, 62.3596,
91.5023

■ 11.7914, 13.2277,
23.3838

■ 76.3964, 83.2054,
118.9396

■ 6.6730, 7.5855,
14.6692

■ 99.6775, 108.2451,
151.3771

■ 3.3029, 3.8309,
8.4435

127.2644,
137.8631, 189.2333

■ 1.3159, 1.5794,
4.2882

159.5226,
172.4439, 232.9268

■ 0.1951, 0.3437,
1.7848

196.8174,

■ 0.0000, 0.0000,

212.3717, 282.8760

0.4179

239.5140,
258.0310, 339.4995

■ 0.0000, 0.0000,
0.0000

■ 28.7347, 31.7122,
49.9540

■ 28.7347, 31.7122,
49.9540

■ 25.0606, 27.8719,
49.4069

■ 32.9929, 35.9871,
50.5553

■ 21.9382, 24.4448,
48.9100

■ 37.8598, 40.7094,
51.2102

■ 19.3358, 21.4126,
48.4619

■ 43.3616, 45.8959,
51.9214

■ 17.2175, 18.7542,
48.0604

■ 49.5226, 51.5614,
52.6902

■ 15.5417, 16.4455,
47.7031

■ 56.3654, 57.7197,
53.5182

■ 14.2589, 14.4579,
47.3871

■ 63.9116, 64.3841,
54.4068

■ 13.5896, 13.3363,
47.2059

■ 72.1817, 71.5676,
55.3575

■ 75.7756, 76.4882,
56.1179

■ 77.9432, 80.8235,
56.8404

Harmonies

Analogous

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



26.6766, 31.7122, 45.1718



28.7347, 31.7122, 49.9540



31.2870, 31.7122, 50.2471

Triad

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



28.7347, 31.7122, 49.9540



35.2207, 31.7122, 31.3896



26.8782, 31.7122, 25.1953

Complementary

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



28.7347, 31.7122, 49.9540



34.0279, 33.0907, 23.0068

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.



29.0243, 31.7122, 22.4873



28.7347, 31.7122, 49.9540



33.8941, 31.7122, 25.7051

Square

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



28.7347, 31.7122, 49.9540



35.1322, 31.7122, 38.7864



31.5935, 31.7122, 22.6595



25.6473, 31.7122, 30.5955

Rectangle

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



28.7347, 31.7122, 49.9540



32.9345, 31.7122, 47.7965



31.5935, 31.7122, 22.6595



27.5111, 31.7122, 23.9768

Sweetspot

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



28.7357, 31.7134, 49.9547



72.0147, 77.0150, 93.2744



30.5814, 40.5849, 34.6006



15.2327, 16.3258, 20.0700



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.7357, 31.7134, 49.9547



47.3360, 52.5509, 89.8531



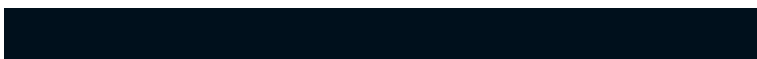
24.1564, 22.5549, 48.4283



8.9304, 9.5380, 11.4498



9.4372, 9.3340, 32.5573



0.3931, 0.4498, 1.1679

Inverse Universe

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



32.8133, 26.5446, 35.2938



55.9665, 42.4396, 58.6365



39.5750, 44.1848, 24.8558



9.2112, 9.0949, 10.4597



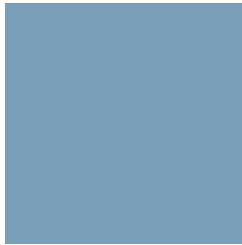
15.3771, 7.7246, 9.8727



0.5726, 0.2845, 0.5085

Previews

White Background



This preview shows how the XYZ color 28.7347, 31.7122, 49.9540 looks on a white background.

Color Contrast Check

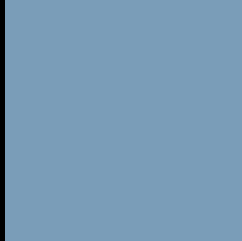
Large Text (above 18pt) WCAG AA × Fail

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 28.7347, 31.7122, 49.9540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

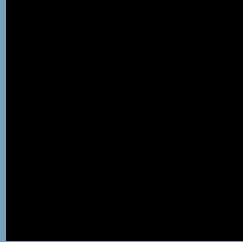
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

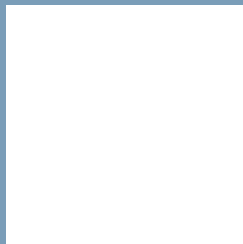
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7347, 31.7122, 49.9540

Background



This preview shows how black text looks on a background with the XYZ color 28.7347, 31.7122, 49.9540.



This preview shows how white text looks on a background with the XYZ color 28.7347, 31.7122,

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

28.7347, 31.7122, 49.9540

Protanopia

31.1589, 31.5395, 47.6255

Deuteranopia

32.1880, 31.5241, 50.8426



Tritanopia

27.4523, 31.6968, 43.7009

Trichromacy



Original Color

28.7347, 31.7122, 49.9540

Protanomaly

30.0483, 31.4370, 48.2003

Deuteranomaly

30.8004, 31.5347, 50.3624

Tritanomaly

27.8091, 31.5814, 45.7044

Monochromacy



Original Color

28.7347, 31.7122, 49.9540

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7280, 30.9665, 38.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7347, 31.7122, 49.9540 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, 157, 184)` looks like.

```
.text, #text, p{  
    color:rgb(122, 157, 184)  
}
```

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, 157, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 157, 184) }
```

Border

The CSS property to change the border of an element to XYZ 28.7347, 31.7122, 49.9540 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, 157, 184) }
```


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

```
.border{ border-color:rgb(122, 157, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 157, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 157, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 157, 184); box-shadow:4px 4px 4px 4px rgb(122, 157, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7347, 31.7122, 49.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 157, 184) }
```

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

```
.background{ background-color: rgb(122,  
157, 184) }
```

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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