

Converting Colors

XYZ(32.2098, 31.8655, 47.4807)

Have a look what the booklet for
XYZ(32.2098, 31.8655, 47.4807)
contains.

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Color

**XYZ(32.2814, 31.8803,
47.6321)**

Conversions

Conversions Part 1

Format	Color
Hex	9996B4
RGB	153, 150, 180
RGB Percent	60%, 59%, 71%
CMY	0.4000, 0.4118, 0.2941
CMYK	0.15, 0.17, 0.00, 0.29
HSL	246°, 17%, 65%
HSV	246°, 17%, 71%
XYZ	32.2814, 31.8803, 47.6321
YIQ	154.3170, -7.8420, 9.9660

Conversions

Conversions Part 2

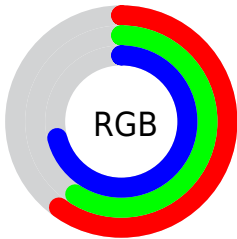
Format	Color
R_{YB}	153, 150, 180
Decimal	10065588
CIE Lab	63.24, 7.28, -15.20
CIE LCh	63, 16.853, 295.607
Yxy	31.8803, 0.2888, 0.2852
Android (android.graphics.Color)	4288255668 (0xFF9996B4)
YUV	154.3170, 12.6617, -1.1550
Hunter-Lab	56.4626, 3.2442, -10.4934

Details

The XYZ color **32.2814, 31.8803, 47.6321** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.9589, 44.1925, 35.2796**, and the grayscale version is **30.8038, 32.4079, 35.2923**.

A 20% lighter version of the original color is **62.7456, 62.6518, 88.1428**, and **13.7721, 13.2808, 21.9162** is the 20% darker color. If you saturate the color by 10%, you get **26.7739, 25.1003, 46.6142**, and if you desaturate by 10%, it is **38.6473, 39.7594, 48.8179**.

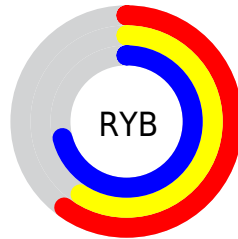
Distribution



Red (60%)

Green (59%)

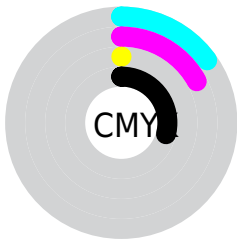
Blue (71%)



Red (60%)

Yellow (59%)

Blue (71%)

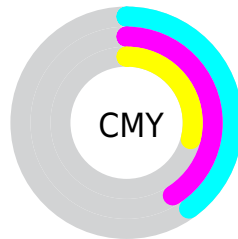


Cyan (15%)

Magenta (17%)

Yellow (0%)

Black (29%)



Cyan (40%)

Magenta (41%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2814, 31.8803, 47.6321 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 32.2814, 31.8803, 47.6321 by changing the saturation by 10% instead.

■ 32.2814, 31.8803,
47.6321

■ 32.2814, 31.8803,
47.6321

304.1217,
310.5736, 393.7986

■ 21.7331, 21.2701,
33.1777

■ 62.6142, 62.6234,
88.0162

■ 13.7764, 13.3216,
21.9904

■ 83.1294, 83.5251,
114.7830

■ 8.0460, 7.6504,
13.6516

107.6977,
108.6260, 146.4911

■ 4.1764, 3.8720,
7.7428

136.6843,
138.3106, 183.5589

■ 1.8024, 1.6022,
3.8454

170.4546,
172.9633, 226.4050

■ 0.5191, 0.3591,
1.5409

209.3741,

■ 0.0000, 0.0000,

212.9684, 275.4480

0.2481

253.8080,
258.7104, 331.1063

■ 0.0000, 0.0000,
0.0000

■ 32.2814, 31.8803,
47.6321

■ 32.2814, 31.8803,
47.6321

■ 26.7739, 25.1003,
46.6142

■ 38.6473, 39.7594,
48.8179

■ 22.0851, 19.3668,
45.7547

■ 45.9032, 48.7793,
50.1765

■ 18.1767, 14.6286,
45.0461

■ 54.0825, 58.9845,
51.7152

■ 15.0061, 10.8289,
44.4798

■ 63.2162, 70.4156,
53.4402

■ 12.5265, 7.9049,
44.0461

■ 73.3338, 83.1116,
55.3576

■ 10.6858, 5.7863,
43.7342

■ 83.4975, 95.1779,
57.1509

■ 9.4243, 4.3917,
43.5315

■ 85.2383, 96.0753,
57.2324

■ 8.6659, 3.6125,
43.4210

■ 8.4876, 3.4238,
43.3940

Harmonies

Analogous

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



29.9590, 31.8803, 49.1595



32.2814, 31.8803, 47.6321



34.1551, 31.8803, 42.4854

Triad

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



32.2814, 31.8803, 47.6321



32.9061, 31.8803, 25.1548



26.0456, 31.8803, 33.7376

Complementary

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



32.2814, 31.8803, 47.6321



39.9589, 44.1925, 35.2796

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.



26.7488, 31.8803, 27.9502



32.2814, 31.8803, 47.6321



30.6461, 31.8803, 23.4153

Square

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



32.2814, 31.8803, 47.6321



34.5286, 31.8803, 29.4512



28.4038, 31.8803, 24.3693



26.4339, 31.8803, 40.5652

Rectangle

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



32.2814, 31.8803, 47.6321



34.8566, 31.8803, 38.0041



28.4038, 31.8803, 24.3693



26.1612, 31.8803, 31.6162

Sweetspot

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



32.2824, 31.8816, 47.6328



72.0442, 74.5350, 88.8842



36.6380, 41.4223, 49.2448



15.3840, 15.8772, 19.1760



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.2824, 31.8816, 47.6328



54.6844, 53.0596, 85.6540



35.1879, 33.3795, 47.7688



8.1182, 8.2694, 10.6746



5.9515, 2.4039, 30.2873



0.2128, 0.0888, 0.9542

Inverse Universe

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



37.6657, 34.6917, 46.3076



66.3144, 59.1322, 82.7159



36.8293, 42.5791, 35.1332



8.8127, 8.6318, 10.5121



17.7033, 8.5989, 24.6614



0.5675, 0.2748, 0.8312

Previews

White Background



This preview shows how the XYZ color 32.2814, 31.8803, 47.6321 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 32.2814, 31.8803, 47.6321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

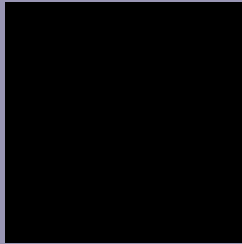
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2814, 31.8803, 47.6321

Background



This preview shows how black text looks on a background with the XYZ color 32.2814, 31.8803, 47.6321.



This preview shows how white text looks on a background with the XYZ color 32.2814, 31.8803,

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

32.2814, 31.8803, 47.6321

Protanopia

31.6013, 31.9957, 48.2263

Deuteranopia

32.5032, 31.7587, 47.5970



Tritanopia

30.7604, 31.9831, 40.1494

Trichromacy



Original Color

32.2814, 31.8803, 47.6321

Protanomaly

31.8015, 31.8590, 48.1893

Deuteranomaly

32.3121, 31.6602, 47.5880

Tritanomaly

31.2464, 31.9381, 42.5480

Monochromacy



Original Color

32.2814, 31.8803, 47.6321

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3285, 32.2968, 39.2331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2814, 31.8803, 47.6321 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(153, 150, 180)` looks like.

```
.text, #text, p{  
    color:rgb(153, 150, 180)  
}
```

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(153, 150, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 150, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.2814, 31.8803, 47.6321 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(153, 150, 180) }
```


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

```
.border{ border-color:rgb(153, 150, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 150, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 150, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 150, 180);  
box-shadow:4px 4px 4px 4px rgb(153, 150,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2814, 31.8803, 47.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 150, 180) }
```

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

```
.background{ background-color: rgb(153,  
150, 180) }
```

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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