

Converting Colors

XYZ(31.3566, 30.2684, 46.3434)

Have a look what the booklet for
XYZ(31.3566, 30.2684, 46.3434)
contains.

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Color

**XYZ(31.2981, 30.2375,
46.3063)**

Conversions

Conversions Part 1

Format	Color
Hex	9991B2
RGB	153, 145, 178
RGB Percent	60%, 57%, 70%
CMY	0.4000, 0.4314, 0.3020
CMYK	0.14, 0.19, 0.00, 0.30
HSL	255°, 18%, 63%
HSV	255°, 19%, 70%
XYZ	31.2981, 30.2375, 46.3063
YIQ	151.1540, -5.8250, 11.9590

Conversions

Conversions Part 2

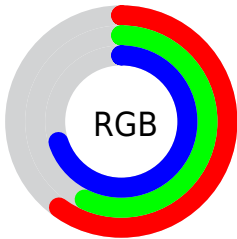
Format	Color
RYB	153, 145, 178
Decimal	10064306
CIELab	61.86, 9.68, -16.16
CIElCh	62, 18.839, 300.905
Yxy	30.2375, 0.2902, 0.2804
Android (android.graphics.Color)	4288254386 (0xFF9991B2)
YUV	151.1540, 13.2351, 1.6189
Hunter-Lab	54.9886, 5.3674, -11.4365

Details

The XYZ color **31.2981, 30.2375, 46.3063** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.6100, 42.4320, 32.9975**, and the grayscale version is **29.4290, 30.9616, 33.7172**.

A 20% lighter version of the original color is **61.2871, 60.1973, 86.2310**, and **13.2734, 12.4899, 21.1132** is the 20% darker color. If you saturate the color by 10%, you get **26.3854, 23.9792, 45.3577**, and if you desaturate by 10%, it is **36.9266, 37.4989, 47.4117**.

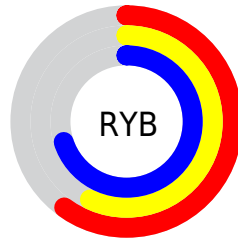
Distribution



Red (60%)

Green (57%)

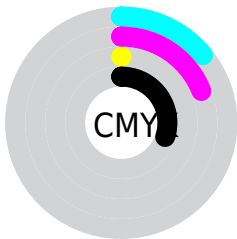
Blue (70%)



Red (60%)

Yellow (57%)

Blue (70%)

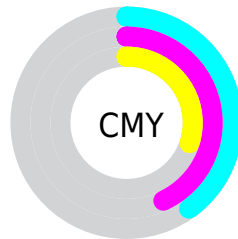


Cyan (14%)

Magenta (19%)

Yellow (0%)

Black (30%)



Cyan (40%)

Magenta (43%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2981, 30.2375, 46.3063 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 31.2981, 30.2375, 46.3063 by changing the saturation by 10% instead.

■ 31.2981, 30.2375,
46.3063

■ 31.2981, 30.2375,
46.3063

299.7117,
303.0099, 388.3520

■ 20.9789, 20.0189,
32.1372

■ 61.0818, 60.0376,
86.0163

■ 13.2209, 12.4088,
21.2006

■ 81.2769, 80.3879,
112.3943

■ 7.6589, 7.0227,
13.0781

105.4947,
104.8842, 143.6790

■ 3.9274, 3.4763,
7.3510

134.1006,
133.9109, 180.2890

■ 1.6612, 1.3852,
3.6008

167.4599,
167.8524, 222.6427

■ 0.4318, 0.2058,
1.4090

205.9380,

■ 0.0000, 0.0000,

207.0932, 271.1587

0.1487

249.9001,
252.0176, 326.2557

■ 0.0000, 0.0000,
0.0000

■ 31.2981, 30.2375,
46.3063

■ 31.2981, 30.2375,
46.3063

■ 26.3854, 23.9792,
45.3577

■ 36.9266, 37.4989,
47.4117

■ 22.1563, 18.6758,
44.5570

■ 43.2955, 45.8014,
48.6786

■ 18.5803, 14.2807,
43.8971

■ 50.4321, 55.1854,
50.1137

■ 15.6235, 10.7416,
43.3698

■ 58.3609, 65.6882,
51.7231

■ 13.2487, 8.0012,
42.9661

■ 67.1058, 77.3454,
53.5122

■ 11.4145, 5.9947,
42.6754

■ 76.6893, 90.1907,
55.4865

■ 10.0733, 4.6467,
42.4859

■ 82.2959, 94.5818,
56.0386

■ 9.1514, 3.8314,
42.3771

■ 85.0360, 95.9944,
56.1668

■ 9.0382, 3.7310,
42.3637

Harmonies

Analogous

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



28.8164, 30.2375, 48.8188



31.2981, 30.2375, 46.3063



33.1799, 30.2375, 40.1340

Triad

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



31.2981, 30.2375, 46.3063



31.1581, 30.2375, 22.2359



24.1670, 30.2375, 33.1430

Complementary

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



31.2981, 30.2375, 46.3063



37.6100, 42.4320, 32.9975

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.



24.7147, 30.2375, 26.6329



31.2981, 30.2375, 46.3063



28.6634, 30.2375, 20.9178

Square

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



31.2981, 30.2375, 46.3063



33.0958, 30.2375, 26.3049



26.3249, 30.2375, 22.4049



24.7839, 30.2375, 40.5684

Rectangle

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



31.2981, 30.2375, 46.3063



33.7887, 30.2375, 35.1635



26.3249, 30.2375, 22.4049



24.2207, 30.2375, 30.7807

Sweetspot

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



31.2990, 30.2388, 46.3070



69.6487, 71.4887, 86.5090



34.1450, 38.0971, 47.6738



15.2722, 15.6323, 19.1347



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.



31.2990, 30.2388, 46.3070



53.1836, 50.2628, 83.2798



34.5674, 31.9237, 46.4599



8.2285, 8.3263, 10.6798



6.5157, 2.6947, 30.3137



0.2583, 0.1122, 0.9563

Inverse Universe

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



35.7423, 32.6194, 42.4443



62.6941, 55.3617, 74.8676



34.3207, 40.7363, 32.8436



8.7602, 8.6108, 10.2358



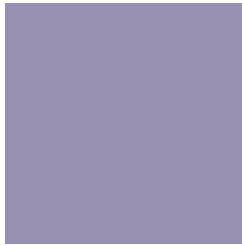
16.2845, 8.0313, 17.1899



0.5336, 0.2612, 0.6528

Previews

White Background



This preview shows how the XYZ color 31.2981, 30.2375, 46.3063 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 31.2981, 30.2375, 46.3063 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 31.2981, 30.2375, 46.3063

Background



This preview shows how black text looks on a background with the XYZ color 31.2981, 30.2375, 46.3063.



This preview shows how white text looks on a background with the XYZ color 31.2981, 30.2375,

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

31.2981, 30.2375, 46.3063

Protanopia

30.1558, 30.3147, 47.4420

Deuteranopia

30.8924, 30.2562, 46.3313



Tritanopia

29.5127, 30.2019, 37.5318

Trichromacy



Original Color

31.2981, 30.2375, 46.3063

Protanomaly

30.6030, 30.3252, 46.8882

Deuteranomaly

31.0773, 30.3514, 46.3399

Tritanomaly

30.1713, 30.2368, 40.8053

Monochromacy



Original Color

31.2981, 30.2375, 46.3063

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.1294, 30.7435, 38.0643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2981, 30.2375, 46.3063 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, 145, 178)` looks like.

```
.text, #text, p{  
    color:rgb(153, 145, 178)  
}
```

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, 145, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 145, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.2981, 30.2375, 46.3063 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, 145, 178) }
```


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

```
.border{ border-color:rgb(153, 145, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 145, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 145, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 145, 178);  
box-shadow:4px 4px 4px 4px rgb(153, 145,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2981, 30.2375, 46.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 145, 178) }
```

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

```
.background{ background-color: rgb(153,  
145, 178) }
```

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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