

Converting Colors

XYZ(31.8956, 20.2775, 62.1010)

Have a look what the booklet for
XYZ(31.8956, 20.2775, 62.1010)
contains.

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Color

**XYZ(31.8881, 20.3042,
61.9129)**

Conversions

Conversions Part 1

Format	Color
Hex	AC58D0
RGB	172, 88, 208
RGB Percent	67%, 35%, 82%
CMY	0.3255, 0.6549, 0.1843
CMYK	0.17, 0.58, 0.00, 0.18
HSL	282°, 56%, 58%
HSV	282°, 58%, 82%
XYZ	31.8881, 20.3042, 61.9129
YIQ	126.7960, 11.5440, 55.1280

Conversions

Conversions Part 2

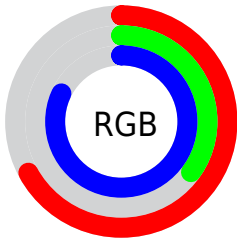
Format	Color
R_{YB}	172, 88, 208
Decimal	11294928
CIE _{Lab}	52.18, 53.55, -48.14
CIE _{LCh}	52, 72.011, 318.046
Yxy	20.3042, 0.2795, 0.1779
Android (android.graphics.Color)	4289485008 (0xFFAC58D0)
YUV	126.7960, 40.0336, 39.6439
Hunter-Lab	45.0602, 47.4652, -49.9226

Details

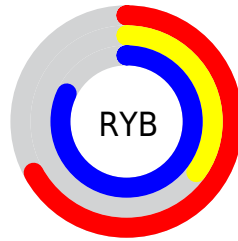
The XYZ color **31.8881, 20.3042, 61.9129** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **32.6302, 50.1019, 17.1842**, and the grayscale version is **19.9681, 21.0080, 22.8778**.

A 20% lighter version of the original color is **60.3561, 43.3890, 99.8015**, and **13.5243, 7.1570, 30.8056** is the 20% darker color. If you saturate the color by 10%, you get **29.0805, 16.6739, 61.3605**, and if you desaturate by 10%, it is **35.2486, 24.9432, 62.6315**.

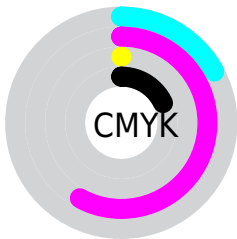
Distribution



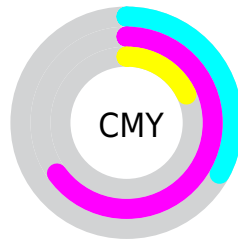
- Red (67%)
- Green (35%)
- Blue (82%)



- Red (67%)
- Yellow (35%)
- Blue (82%)



- Cyan (17%)
- Magenta (58%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (65%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8881, 20.3042, 61.9129 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 31.8881, 20.3042, 61.9129 by changing the saturation by 10% instead.

■ 31.8881, 20.3042,
61.9129

■ 31.8881, 20.3042,
61.9129

302.3635,
253.5572, 449.6122

■ 21.4312, 12.6164,
44.5270

■ 62.0020, 43.9266,
109.1700

■ 13.5538, 7.1649,
30.7448

■ 82.3897, 60.6300,
139.8783

■ 7.8906, 3.5654,
20.1478

■ 106.8183, 81.1073,
175.8644

■ 4.0762, 1.4336,
12.3174

■ 135.6533,
105.7430, 217.5470

■ 1.7454, 0.2413,
6.8350

169.2600,
134.9214, 265.3445

■ 0.4844, 0.0000,
3.2823

208.0037,

■ 0.0000, 0.0000,

169.0270, 319.6755

1.2405

252.2497,
208.4441, 380.9586

■ 0.0000, 0.0000,
0.0123

■ 0.0000, 0.0000,
0.0000

■ 31.8881, 20.3042,
61.9129

■ 31.8881, 20.3042,
61.9129

■ 29.0805, 16.6739,
61.3605

■ 35.2486, 24.9432,
62.6315

■ 26.7798, 13.9642,
60.9587


■ 39.1980, 30.6641,
63.5276


■ 24.9360, 12.0752,
60.6913


■ 43.7721, 37.5363,
64.6130


■ 23.4775, 10.8653,
60.5346


■ 49.0026, 45.6222,
65.8981


 23.1684, 10.6286,
60.5052

 54.9193, 54.9800,
67.3925

 61.5499, 65.6639,
69.1052

 68.9204, 77.7251,
71.0448

 77.0556, 91.2118,
73.2192

 79.1914, 92.5945,
73.3735

Harmonies

Analogous

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



24.0352, 20.3042, 87.6082



31.8881, 20.3042, 61.9129



36.7704, 20.3042, 31.6366

Triad

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



31.8881, 20.3042, 61.9129



22.3887, 20.3042, 1.4223



8.7084, 20.3042, 37.2331

Complementary

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



31.8881, 20.3042, 61.9129



32.6302, 50.1019, 17.1842

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.



8.4809, 20.3042, 14.7148



31.8881, 20.3042, 61.9129



15.2291, 20.3042, 1.6093

Square

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



31.8881, 20.3042, 61.9129



30.4214, 20.3042, 3.5675



10.5541, 20.3042, 4.5510



11.2831, 20.3042, 68.1784

Rectangle

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



31.8881, 20.3042, 61.9129



37.0293, 20.3042, 16.8950



10.5541, 20.3042, 4.5510



8.3841, 20.3042, 28.2958

Sweetspot

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



31.8889, 20.3050, 61.9134



78.1223, 73.0085, 104.5823



22.6181, 21.0450, 62.5448



16.3398, 15.0305, 22.2899



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.



31.8889, 20.3050, 61.9134



45.2650, 25.4058, 97.1258



38.1545, 23.8508, 47.9407



11.9511, 11.8236, 14.8960



14.5414, 6.6766, 37.7148



0.8911, 0.4135, 2.1124

Inverse Universe

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



33.1409, 21.8454, 21.5395



48.1931, 28.5206, 24.7355



29.5057, 48.3568, 23.1089



11.9526, 11.8658, 13.0263



16.7987, 8.5923, 3.8464



0.9743, 0.4945, 0.3997

Previews

White Background



This preview shows how the XYZ color 31.8881, 20.3042, 61.9129 looks on a white background.

Color Contrast Check

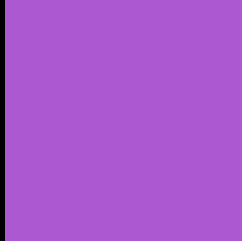
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8881, 20.3042, 61.9129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

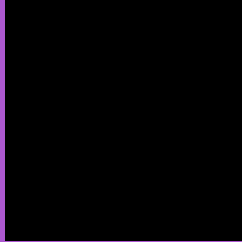
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8881, 20.3042, 61.9129

Background



This preview shows how black text looks on a background with the XYZ color 31.8881, 20.3042, 61.9129.



This preview shows how white text looks on a background with the XYZ color 31.8881, 20.3042,

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

31.8881, 20.3042, 61.9129

Protanopia

24.1964, 20.8068, 85.1789

Deuteranopia

21.1845, 20.5898, 58.1160



Tritanopia

23.4824, 20.3153, 20.4529

Trichromacy



Original Color

31.8881, 20.3042, 61.9129



Protanomaly

24.5092, 19.1354, 75.8005



Deuteranomaly

23.5033, 19.4587, 59.6439



Tritanomaly

25.8276, 19.8600, 32.1779

Monochromacy



Original Color

31.8881, 20.3042, 61.9129



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.2336, 20.0502, 34.0980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8881, 20.3042, 61.9129 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(172, 88, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 88, 208)  
}
```

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(172, 88, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 88, 208) }
```

Border

The CSS property to change the border of an element to XYZ 31.8881, 20.3042, 61.9129 is called "border". The border property can be set on classes, ids or directly on the HTML element.

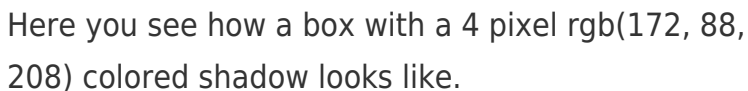
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 88, 208) }
```


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

```
.border{ border-color:rgb(172, 88, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 88, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 88, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 88, 208); box-shadow:4px 4px 4px 4px rgb(172, 88, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8881, 20.3042, 61.9129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 88, 208) }
```

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

```
.background{ background-color: rgb(172, 88,  
208) }
```

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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