

Converting Colors

XYZ(31.3934, 21.9990, 43.0639)

Have a look what the booklet for
XYZ(31.3934, 21.9990, 43.0639)
contains.

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Color

**XYZ(31.3511, 22.0332,
43.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	B564AF
RGB	181, 100, 175
RGB Percent	71%, 39%, 69%
CMY	0.2902, 0.6078, 0.3137
CMYK	0.00, 0.45, 0.03, 0.29
HSL	304°, 35%, 55%
HSV	304°, 45%, 71%
XYZ	31.3511, 22.0332, 43.1579
YIQ	132.7690, 24.2010, 40.4970

Conversions

Conversions Part 2

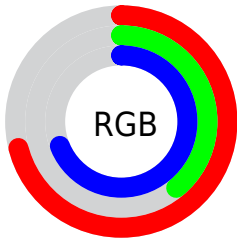
Format	Color
R_{YB}	181, 100, 175
Decimal	11887791
CIE _{Lab}	54.06, 43.48, -26.12
CIE _{LCh}	54, 50.717, 329.006
Yxy	22.0332, 0.3247, 0.2282
Android (android.graphics.Color)	4290077871 (0xFFB564AF)
YUV	132.7690, 20.8199, 42.2986
Hunter-Lab	46.9395, 37.0767, -21.6557

Details

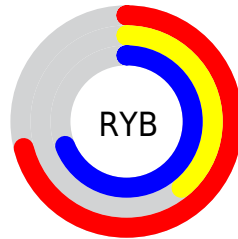
The XYZ color **31.3511, 22.0332, 43.1579** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **24.3819, 36.7985, 19.4547**, and the grayscale version is **22.1316, 23.2842, 25.3565**.

A 20% lighter version of the original color is **61.0749, 46.7291, 81.4019**, and **13.2153, 8.0374, 19.2672** is the 20% darker color. If you saturate the color by 10%, you get **29.6732, 18.8867, 41.9522**, and if you desaturate by 10%, it is **33.4174, 25.9534, 44.4999**.

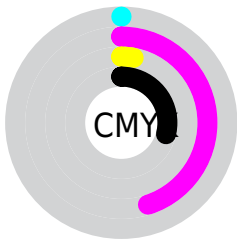
Distribution



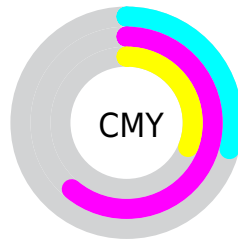
- Red (71%)
- Green (39%)
- Blue (69%)



- Red (71%)
- Yellow (39%)
- Blue (69%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (29%)



- Cyan (29%)
- Magenta (61%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3511, 22.0332, 43.1579 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 31.3511, 22.0332, 43.1579 by changing the saturation by 10% instead.

■ 31.3511, 22.0332,
43.1579

■ 31.3511, 22.0332,
43.1579

299.9507,
262.7196, 375.2010

■ 21.0195, 13.8813,
29.6767

■ 61.1645, 46.8009,
81.2380

■ 13.2508, 8.0382,
19.3434

■ 81.3770, 64.1854,
106.6740

■ 7.6797, 4.1194,
11.7393

■ 105.6139, 85.4163,
136.9320

■ 3.9407, 1.7406,
6.4461

■ 134.2404,
110.8779, 172.4305

■ 1.6687, 0.4497,
3.0450

167.6220,
140.9547, 213.5881

■ 0.4365, 0.0000,
1.1177

206.1240,

■ 0.0000, 0.0000,

176.0309, 260.8234

0.0000

250.1118,
216.4911, 314.5549

■ 31.3511, 22.0332,
43.1579

■ 31.3511, 22.0332,
43.1579

■ 29.6732, 18.8867,
41.9522

■ 33.4174, 25.9534,
44.4999

■ 28.3558, 16.4594,
40.8729

■ 35.8933, 30.6914,
45.9848

■ 27.3704, 14.6943,
39.9107


■ 38.8013, 36.2913,
47.6201


■ 26.6836, 13.5243,
39.0544


■ 42.1614, 42.7933,
49.4127


■ 26.2550, 12.8684,
38.2906


■ 45.9924, 50.2350,
51.3687

 26.0863, 12.6359,
37.9108

 50.3120, 58.6520,
53.4942

 55.1372, 68.0777,
55.7948

 60.4838, 78.5444,
58.2757

 63.7934, 84.9347,
60.0843

Harmonies

Analogous

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



26.4860, 22.0332, 61.3098



31.3511, 22.0332, 43.1579



33.3620, 22.0332, 24.5186

Triad

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



31.3511, 22.0332, 43.1579



21.1255, 22.0332, 4.6858



13.0032, 22.0332, 41.8283

Complementary

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



31.3511, 22.0332, 43.1579



24.3819, 36.7985, 19.4547

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.



12.0647, 22.0332, 23.4698



31.3511, 22.0332, 43.1579



16.2310, 22.0332, 6.0792

Square

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



31.3511, 22.0332, 43.1579



26.8587, 22.0332, 6.2916



13.1369, 22.0332, 11.5516



15.9649, 22.0332, 60.3348

Rectangle

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



31.3511, 22.0332, 43.1579



32.5858, 22.0332, 15.4339



13.1369, 22.0332, 11.5516



12.4662, 22.0332, 35.2380

Sweetspot

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



31.3518, 22.0342, 43.1584



70.3601, 66.6740, 85.7588



18.7714, 15.4791, 45.7151



14.9413, 13.8968, 18.3903



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.



31.3518, 22.0342, 43.1584



53.1026, 33.7495, 75.1033



27.9943, 20.6912, 25.4780



8.8223, 8.6356, 10.5628



17.9942, 8.7153, 26.1934



0.5742, 0.2774, 0.8664

Inverse Universe

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



31.3518, 22.0342, 43.1584



53.1026, 33.7495, 75.1033



26.9608, 37.8301, 33.0353



8.8223, 8.6356, 10.5628



17.9942, 8.7153, 26.1934



0.5742, 0.2774, 0.8664

Previews

White Background



This preview shows how the XYZ color 31.3511, 22.0332, 43.1579 looks on a white background.

Color Contrast Check

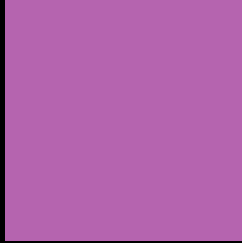
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3511, 22.0332, 43.1579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

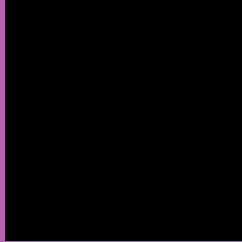
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3511, 22.0332, 43.1579

Background



This preview shows how black text looks on a background with the XYZ color 31.3511, 22.0332, 43.1579.



This preview shows how white text looks on a background with the XYZ color 31.3511, 22.0332,

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

31.3511, 22.0332, 43.1579

Protanopia

23.4931, 22.2132, 55.8727

Deuteranopia

22.7206, 22.3337, 41.1435



Tritanopia

26.7009, 21.9675, 20.9220

Trichromacy



Original Color

31.3511, 22.0332, 43.1579

Protanomaly

25.2195, 21.3832, 50.9423

Deuteranomaly

25.0802, 21.6862, 41.8937

Tritanomaly

28.3017, 21.9953, 27.9532

Monochromacy



Original Color

31.3511, 22.0332, 43.1579

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.7603, 22.2969, 31.0157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3511, 22.0332, 43.1579 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(181, 100, 175)` looks like.

```
.text, #text, p{  
    color:rgb(181, 100, 175)  
}
```

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(181, 100, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 100, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.3511, 22.0332, 43.1579 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(181, 100, 175) }
```


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

```
.border{ border-color:rgb(181, 100, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 100, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 100, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 100, 175);  
box-shadow:4px 4px 4px 4px rgb(181, 100,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3511, 22.0332, 43.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 100, 175) }
```

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

```
.background{ background-color: rgb(181,  
100, 175) }
```

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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