

Converting Colors

XYZ(31.8524, 22.2552, 51.3321)

Have a look what the booklet for
XYZ(31.8524, 22.2552, 51.3321)
contains.

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Color

**XYZ(31.8524, 22.2552,
51.3321)**

Conversions

Conversions Part 1

Format	Color
Hex	B065BE
RGB	176, 101, 190
RGB Percent	69%, 40%, 75%
CMY	0.3098, 0.6039, 0.2549
CMYK	0.07, 0.47, 0.00, 0.25
HSL	291°, 41%, 57%
HSV	291°, 47%, 75%
XYZ	31.8524, 22.2552, 51.3321
YIQ	133.5710, 16.1310, 43.5790

Conversions

Conversions Part 2

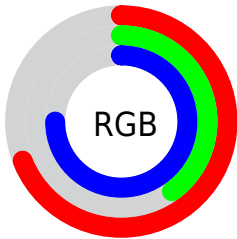
Format	Color
R _Y B	176, 101, 190
Decimal	11560382
CIE Lab	54.30, 44.30, -34.46
CIE LCh	54, 56.120, 322.122
Yxy	22.2552, 0.3021, 0.2111
Android (android.graphics.Color)	4289750462 (0xFFB065BE)
YUV	133.5710, 27.8195, 37.2102
Hunter-Lab	47.1754, 37.9645, -31.4913

Details

The XYZ color **31.8524, 22.2552, 51.3321** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.8335, 41.4119, 18.8393**, and the grayscale version is **22.4008, 23.5674, 25.6649**.

A 20% lighter version of the original color is **61.9484, 47.1502, 93.8316**, and **13.4697, 8.1237, 24.1507** is the 20% darker color. If you saturate the color by 10%, you get **29.5483, 18.6386, 50.7558**, and if you desaturate by 10%, it is **34.5994, 26.7342, 52.0522**.

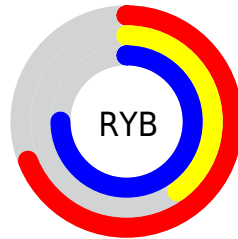
Distribution



Red (69%)

Green (40%)

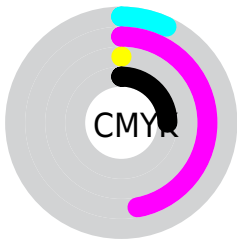
Blue (75%)



Red (69%)

Yellow (40%)

Blue (75%)

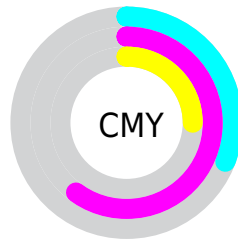


Cyan (7%)

Magenta (47%)

Yellow (0%)

Black (25%)



Cyan (31%)


Magenta (60%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8524, 22.2552, 51.3321 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 31.8524, 22.2552, 51.3321 by changing the saturation by 10% instead.


 31.8524, 22.2552,
51.3321


 31.8524, 22.2552,
51.3321


302.2036,
263.8761, 408.7360

 21.4038, 14.0445,
36.0944


 61.9464, 47.1674,
93.5620


 13.5336, 8.1516,
24.2169


 82.3225, 64.6378,
121.3913

 7.8765, 4.1921,
15.2809


 106.7384, 85.9635,
154.2549

 4.0672, 1.7816,
8.8679

 135.5596,
111.5289, 192.5713

 1.7402, 0.4757,
4.5595

169.1513,
141.7185, 236.7591

 0.4812, 0.0000,
1.9370

207.8790,

 0.0000, 0.0000,

176.9167, 287.2368

0.5161

252.1080,
217.5077, 344.4229

■ 0.0000, 0.0000,
0.0000

■ 31.8524, 22.2552,
51.3321

■ 31.8524, 22.2552,
51.3321

■ 29.5483, 18.6386,
50.7558

■ 34.5994, 26.7342,
52.0522

■ 27.6547, 15.8219,
50.3119

■ 37.8140, 32.1267,
52.9236

■ 26.1389, 13.7387,
49.9897

■ 41.5217, 38.4832,
53.9551

■ 24.9614, 12.3106,
49.7761

■ 45.7456, 45.8496,
55.1544

■ 24.0690, 11.4311,
49.6534

■ 50.5073, 54.2689,
56.5285

■ 23.8141, 11.2030,
49.6228

■ 55.8271, 63.7815,
58.0842

■ 61.7242, 74.4259,
59.8280

■ 68.2169, 86.2384,
61.7658

■ 69.6558, 87.9202,
62.0146

Harmonies

Analogous

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



25.8948, 22.2552, 70.7037



31.8524, 22.2552, 51.3321



35.0620, 22.2552, 29.1452

Triad

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



31.8524, 22.2552, 51.3321



22.8052, 22.2552, 3.8441



12.0260, 22.2552, 39.2466

Complementary

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



31.8524, 22.2552, 51.3321



27.8335, 41.4119, 18.8393

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.



11.5158, 22.2552, 19.9048



31.8524, 22.2552, 51.3321



17.0284, 22.2552, 4.5125

Square

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



31.8524, 22.2552, 51.3321



29.2211, 22.2552, 6.1905



13.1659, 22.2552, 8.8836



14.7260, 22.2552, 61.6947

Rectangle

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



31.8524, 22.2552, 51.3321



34.8508, 22.2552, 17.8288



13.1659, 22.2552, 8.8836



11.6168, 22.2552, 32.0100

Sweetspot

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



31.8532, 22.2562, 51.3326



77.1513, 73.0453, 98.3120



20.8882, 18.9379, 51.2700



16.5902, 15.4305, 21.4893



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.8532, 22.2562, 51.3326



53.5200, 33.7368, 91.9702



32.2640, 22.8052, 36.1130



9.7786, 9.6182, 12.0133



15.8894, 7.4774, 32.9987



0.6627, 0.3136, 1.2945

Inverse Universe

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



28.9842, 21.4933, 18.8418



48.0035, 32.3682, 25.0567



27.8553, 41.2239, 27.8444



9.5897, 9.5602, 10.2285



14.2943, 7.3489, 1.5774



0.5795, 0.2957, 0.1648

Previews

White Background



This preview shows how the XYZ color 31.8524, 22.2552, 51.3321 looks on a white background.

Color Contrast Check

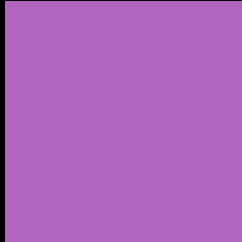
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8524, 22.2552, 51.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

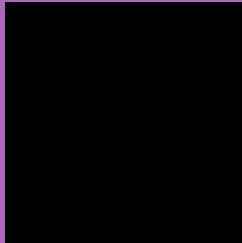
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8524, 22.2552, 51.3321

Background



This preview shows how black text looks on a background with the XYZ color 31.8524, 22.2552, 51.3321.



This preview shows how white text looks on a background with the XYZ color 31.8524, 22.2552,

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

31.8524, 22.2552, 51.3321

Protanopia

24.4235, 22.4696, 66.0006

Deuteranopia

23.0376, 22.5183, 49.0312



Tritanopia

25.8834, 22.1869, 22.3203

Trichromacy



Original Color

31.8524, 22.2552, 51.3321



Protanomaly

25.9553, 21.7246, 60.5829



Deuteranomaly

25.3980, 21.8498, 49.8925



Tritanomaly

27.6868, 22.0849, 31.2373

Monochromacy



Original Color

31.8524, 22.2552, 51.3321



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.1867, 22.6417, 33.6147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8524, 22.2552, 51.3321 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(176, 101, 190)` looks like.

```
.text, #text, p{  
    color:rgb(176, 101, 190)  
}
```

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(176, 101, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 101, 190) }
```

Border

The CSS property to change the border of an element to XYZ 31.8524, 22.2552, 51.3321 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(176, 101, 190) }
```


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

```
.border{ border-color:rgb(176, 101, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 101, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 101, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 101, 190);  
box-shadow:4px 4px 4px 4px rgb(176, 101,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8524, 22.2552, 51.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 101, 190) }
```

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

```
.background{ background-color: rgb(176,  
101, 190) }
```

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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