

Converting Colors

XYZ(31.3226, 22.1071, 48.6253)

Have a look what the booklet for
XYZ(31.3226, 22.1071, 48.6253)
contains.

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Color

**XYZ(31.3151, 22.0402,
48.5026)**

Conversions

Conversions Part 1

Format	Color
Hex	B065B9
RGB	176, 101, 185
RGB Percent	69%, 40%, 73%
CMY	0.3098, 0.6039, 0.2745
CMYK	0.05, 0.45, 0.00, 0.27
HSL	294°, 37%, 56%
HSV	294°, 45%, 73%
XYZ	31.3151, 22.0402, 48.5026
YIQ	133.0010, 17.7360, 42.0240

Conversions

Conversions Part 2

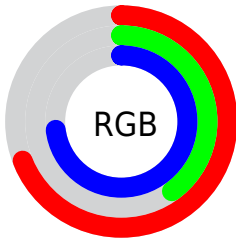
Format	Color
R _Y B	176, 101, 185
Decimal	11560377
CIE Lab	54.07, 43.31, -31.93
CIE LCh	54, 53.812, 323.598
Yxy	22.0402, 0.3074, 0.2164
Android (android.graphics.Color)	4289750457 (0xFFB065B9)
YUV	133.0010, 25.6355, 37.7101
Hunter-Lab	46.9470, 36.9078, -28.3917

Details

The XYZ color **31.3151, 22.0402, 48.5026** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **26.1290, 38.9530, 18.4544**, and the grayscale version is **22.2005, 23.3567, 25.4354**.

A 20% lighter version of the original color is **61.0371, 46.7857, 89.0326**, and **13.1906, 8.0121, 22.6811** is the 20% darker color. If you saturate the color by 10%, you get **29.2723, 18.6145, 47.9494**, and if you desaturate by 10%, it is **33.7702, 26.2797, 49.1918**.

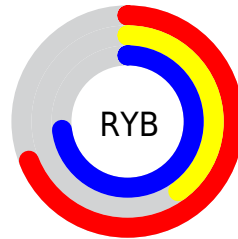
Distribution



Red (69%)

Green (40%)

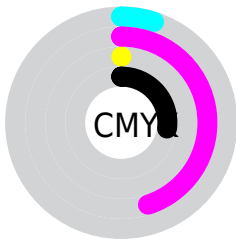
Blue (73%)



Red (69%)

Yellow (40%)

Blue (73%)

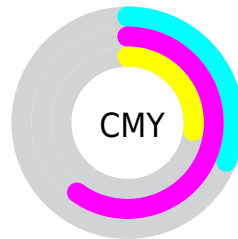


Cyan (5%)

Magenta (45%)

Yellow (0%)

Black (27%)



Cyan (31%)


Magenta (60%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3151, 22.0402, 48.5026 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 31.3151, 22.0402, 48.5026 by changing the saturation by 10% instead.


 31.3151, 22.0402,
48.5026


 31.3151, 22.0402,
48.5026

299.7884,
262.7561, 397.3469


 20.9919, 13.8864,
33.8623


 61.1083, 46.8124,
89.3256


 13.2305, 8.0417,
22.5113

 81.3090, 64.1997,
116.3453

 7.6656, 4.1217,
14.0312


 105.5330, 85.4336,
148.3286

 3.9317, 1.7418,
8.0034

 134.1455,
110.8985, 185.6939

 1.6636, 0.4505,
4.0093

167.5119,
140.9788, 228.8599

 0.4333, 0.0000,
1.6304

205.9976,

 0.0000, 0.0000,

176.0589, 278.2450

0.3124

249.9680,
216.5232, 334.2678

■ 0.0000, 0.0000,
0.0000

■ 31.3151, 22.0402,
48.5026

■ 31.3151, 22.0402,
48.5026

■ 29.2723, 18.6145,
47.9494

■ 33.7702, 26.2797,
49.1918

■ 27.6121, 15.9449,
47.5216

■ 36.6604, 31.3800,
50.0240

■ 26.3042, 13.9704,
47.2094


■ 40.0092, 37.3879,
51.0071


■ 25.3131, 12.6197,
47.0009


■ 43.8380, 44.3459,
52.1483


■ 24.5943, 11.8043,
46.8814


■ 48.1668, 52.2940,
53.4543

 24.3116, 11.5215,
46.8417

 53.0143, 61.2697,
54.9313

 58.3985, 71.3086,
56.5852

 64.3362, 82.4446,
58.4218

 66.7240, 86.4709,
59.0731

Harmonies

Analogous

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



25.7583, 22.0402, 67.0115



31.3151, 22.0402, 48.5026



34.1625, 22.0402, 27.7543

Triad

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



31.3151, 22.0402, 48.5026



22.2221, 22.0402, 4.1549



12.2718, 22.0402, 39.2605

Complementary

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



31.3151, 22.0402, 48.5026



26.1290, 38.9530, 18.4544

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.



11.6751, 22.0402, 20.5969



31.3151, 22.0402, 48.5026



16.7782, 22.0402, 4.9745

Square

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



31.3151, 22.0402, 48.5026



28.3209, 22.0402, 6.3349



13.1668, 22.0402, 9.5546



14.9814, 22.0402, 60.1680

Rectangle

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



31.3151, 22.0402, 48.5026



33.8255, 22.0402, 17.2206



13.1668, 22.0402, 9.5546



11.8411, 22.0402, 32.3546

Sweetspot

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



31.3159, 22.0412, 48.5031



72.4160, 68.3353, 91.5779



19.7873, 17.5957, 48.2526



15.3142, 14.1948, 19.6543



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.3159, 22.0412, 48.5031



52.5994, 33.6236, 85.9223



30.3952, 21.9158, 32.6794



9.2836, 9.1126, 11.3490



16.5910, 7.8641, 31.8966



0.6122, 0.2913, 1.1257

Inverse Universe

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



27.4764, 20.7483, 17.3093



45.0839, 31.1398, 22.7462



26.9640, 39.1641, 28.4020



9.0427, 9.0274, 9.5722



13.7220, 7.0625, 1.1567



0.4967, 0.2542, 0.1092

Previews

White Background



This preview shows how the XYZ color 31.3151, 22.0402, 48.5026 looks on a white background.

Color Contrast Check

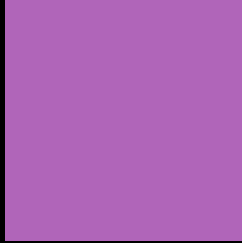
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3151, 22.0402, 48.5026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

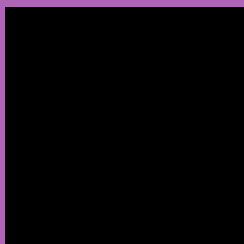
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3151, 22.0402, 48.5026

Background



This preview shows how black text looks on a background with the XYZ color 31.3151, 22.0402, 48.5026.



This preview shows how white text looks on a background with the XYZ color 31.3151, 22.0402,

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

31.3151, 22.0402, 48.5026

Protanopia

23.9974, 22.3364, 62.0780

Deuteranopia

22.7674, 22.2443, 46.2736



Tritanopia

25.9173, 22.0415, 21.9572

Trichromacy



Original Color

31.3151, 22.0402, 48.5026



Protanomaly

25.5396, 21.5924, 56.8545



Deuteranomaly

25.0753, 21.5685, 47.0975



Tritanomaly

27.5588, 21.8851, 29.9659

Monochromacy



Original Color

31.3151, 22.0402, 48.5026



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

24.8993, 22.3313, 32.7038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3151, 22.0402, 48.5026 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(176, 101, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 101, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.3151, 22.0402, 48.5026 is called "border". The border property can be set on classes, ids or directly on the HTML element.

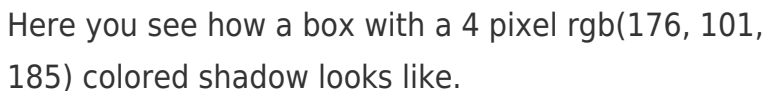
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 101, 185) }
```


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

```
.border{ border-color:rgb(176, 101, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 101, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 101, 185); box-shadow:4px 4px 4px 4px rgb(176, 101, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3151, 22.0402, 48.5026 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, 185) }
```

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

```
.background{ background-color: rgb(176,  
101, 185) }
```

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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