

Converting Colors

XYZ(31.0431, 22.0617, 42.2596)

Have a look what the booklet for
XYZ(31.0431, 22.0617, 42.2596)
contains.

XYZ(31.0189, 22.0278, 42.1521)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0189, 22.0278,
42.1521)**

Conversions

Conversions Part 1

Format	Color
Hex	B465AD
RGB	180, 101, 173
RGB Percent	71%, 40%, 68%
CMY	0.2941, 0.6039, 0.3216
CMYK	0.00, 0.44, 0.04, 0.29
HSL	305°, 34%, 55%
HSV	305°, 44%, 71%
XYZ	31.0189, 22.0278, 42.1521
YIQ	132.8290, 23.9720, 39.1400

Conversions

Conversions Part 2

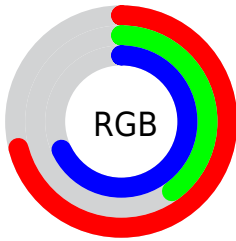
Format	Color
RYB	180, 101, 173
Decimal	11822509
CIELab	54.06, 42.28, -24.98
CIElCh	54, 49.103, 329.425
Yxy	22.0278, 0.3258, 0.2314
Android (android.graphics.Color)	4290012589 (0xFFB465AD)
YUV	132.8290, 19.8043, 41.3690
Hunter-Lab	46.9338, 35.8379, -20.3958

Details

The XYZ color **31.0189, 22.0278, 42.1521** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.3958, 36.4927, 19.9467**, and the grayscale version is **22.1571, 23.3110, 25.3856**.

A 20% lighter version of the original color is **60.6235, 46.7729, 79.9616**, and **12.9882, 7.9972, 18.6284** is the 20% darker color. If you saturate the color by 10%, you get **29.3056, 18.8464, 40.8242**, and if you desaturate by 10%, it is **33.1182, 25.9774, 43.6182**.

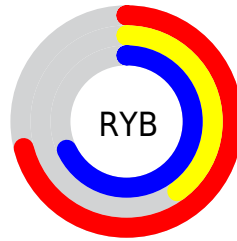
Distribution



Red (71%)

Green (40%)

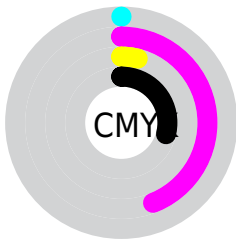
Blue (68%)



Red (71%)

Yellow (40%)

Blue (68%)

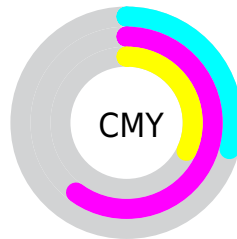


Cyan (0%)

Magenta (44%)

Yellow (4%)

Black (29%)



Cyan (29%)


Magenta (60%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0189, 22.0278, 42.1521 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 31.0189, 22.0278, 42.1521 by changing the saturation by 10% instead.

 31.0189, 22.0278,
42.1521

 31.0189, 22.0278,
42.1521

298.4507,
262.6914, 370.9313

 20.7651, 13.8773,
28.8939

 60.6455, 46.7919,
79.7023


 13.0639, 8.0354,
18.7557


 80.7490, 64.1744,
104.8315

 7.5499, 4.1176,
11.3189


 104.8665, 85.4030,
134.7548

 3.8577, 1.7396,
6.1649

 133.3632,
110.8621, 169.8907

 1.6219, 0.4491,
2.8752

166.6047,
140.9361, 210.6577

 0.4066, 0.0000,
1.0313

204.9562,

 0.0000, 0.0000,

176.0093, 257.4745

0.0000

248.7831,
216.4663, 310.7595

■ 31.0189, 22.0278,
42.1521

■ 31.0189, 22.0278,
42.1521

■ 29.3056, 18.8464,
40.8242

■ 33.1182, 25.9774,
43.6182

■ 27.9509, 16.3796,
39.6247

■ 35.6243, 30.7382,
45.2288

■ 26.9273, 14.5720,
38.5445

■ 38.5592, 36.3534,
46.9915

■ 26.2021, 13.3583,
37.5728

■ 41.9424, 42.8625,
48.9128

■ 25.7362, 12.6604,
36.6966

■ 45.7925, 50.3024,
50.9990

■ 25.5280, 12.3856,
36.1908

■ 50.1270, 58.7079,
53.2559

■ 54.9623, 68.1121,
55.6890

■ 60.3142, 78.5464,
58.3036

■ 63.5905, 84.8266,
60.2357

Harmonies

Analogous

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



26.3661, 22.0278, 59.5479



31.0189, 22.0278, 42.1521



32.9005, 22.0278, 24.2791

Triad

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



31.0189, 22.0278, 42.1521



21.0394, 22.0278, 5.0140



13.2412, 22.0278, 41.4164

Complementary

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



31.0189, 22.0278, 42.1521



24.3958, 36.4927, 19.9467

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.



12.2943, 22.0278, 23.6924



31.0189, 22.0278, 42.1521



16.3091, 22.0278, 6.4634

Square

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



31.0189, 22.0278, 42.1521



26.5736, 22.0278, 6.5866



13.3169, 22.0278, 11.9703



16.1594, 22.0278, 59.0116

Rectangle

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



31.0189, 22.0278, 42.1521



32.1216, 22.0278, 15.5123



13.3169, 22.0278, 11.9703



12.7062, 22.0278, 35.0873

Sweetspot

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



31.0196, 22.0288, 42.1526



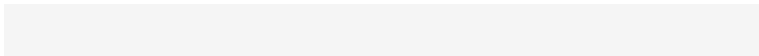
70.2971, 66.6488, 85.4270



19.0267, 15.7659, 45.2209



14.9254, 13.8905, 18.3069



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.



31.0196, 22.0288, 42.1526



53.1311, 34.1618, 74.0175



27.7742, 20.7306, 25.0624



8.8169, 8.6335, 10.5343



17.8294, 8.6493, 25.3254



0.5704, 0.2759, 0.8465

Inverse Universe

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



31.0196, 22.0288, 42.1526



53.1311, 34.1618, 74.0175



26.9620, 37.5192, 33.4599



8.8169, 8.6335, 10.5343



17.8294, 8.6493, 25.3254



0.5704, 0.2759, 0.8465

Previews

White Background



This preview shows how the XYZ color 31.0189, 22.0278, 42.1521 looks on a white background.

Color Contrast Check

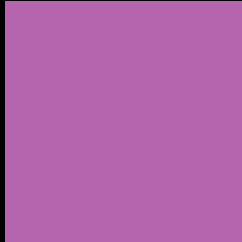
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0189, 22.0278, 42.1521 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 31.0189, 22.0278, 42.1521

Background



This preview shows how black text looks on a background with the XYZ color 31.0189, 22.0278, 42.1521.



This preview shows how white text looks on a background with the XYZ color 31.0189, 22.0278,

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

31.0189, 22.0278, 42.1521

Protanopia

23.5202, 22.4592, 54.1343

Deuteranopia

22.6833, 22.1435, 40.1244



Tritanopia

26.7009, 21.9675, 20.9220

Trichromacy



Original Color

31.0189, 22.0278, 42.1521

Protanomaly

25.1729, 21.5704, 49.2911

Deuteranomaly

25.0618, 21.6988, 40.8976

Tritanomaly

28.0007, 21.8487, 27.5524

Monochromacy



Original Color

31.0189, 22.0278, 42.1521

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 31.0189, 22.0278, 42.1521 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(180, 101, 173)` looks like.

```
.text, #text, p{  
    color:rgb(180, 101, 173)  
}
```

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(180, 101, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 101, 173) }
```

Border

The CSS property to change the border of an element to XYZ 31.0189, 22.0278, 42.1521 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(180, 101, 173) }
```


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

```
.border{ border-color:rgb(180, 101, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 101, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 101, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 101, 173);  
box-shadow:4px 4px 4px 4px rgb(180, 101,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0189, 22.0278, 42.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 101, 173) }
```

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

```
.background{ background-color: rgb(180,  
101, 173) }
```

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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