

Converting Colors

XYZ(30.9612, 22.1900, 39.2919)

Have a look what the booklet for
XYZ(30.9612, 22.1900, 39.2919)
contains.

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Color

**XYZ(31.0178, 22.2378,
39.2167)**

Conversions

Conversions Part 1

Format	Color
Hex	B666A7
RGB	182, 102, 167
RGB Percent	71%, 40%, 65%
CMY	0.2863, 0.6000, 0.3451
CMYK	0.00, 0.44, 0.08, 0.29
HSL	311°, 35%, 56%
HSV	311°, 44%, 71%
XYZ	31.0178, 22.2378, 39.2167
YIQ	133.3300, 26.8150, 37.1750

Conversions

Conversions Part 2

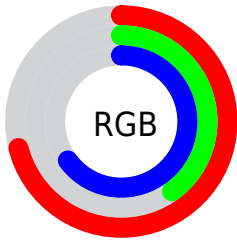
Format	Color
R_{YB}	182, 102, 167
Decimal	11953831
CIE _{Lab}	54.28, 41.32, -21.13
CIE _{LCh}	54, 46.405, 332.915
Yxy	22.2378, 0.3354, 0.2405
Android (android.graphics.Color)	4290143911 (0xFFB666A7)
YUV	133.3300, 16.5993, 42.6836
Hunter-Lab	47.1570, 34.8848, -16.2969

Details

The XYZ color **31.0178, 22.2378, 39.2167** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.4193, 37.5658, 22.7422**, and the grayscale version is **22.3497, 23.5136, 25.6063**.

A 20% lighter version of the original color is **60.5028, 47.0673, 75.0033**, and **13.0307, 8.1175, 17.0997** is the 20% darker color. If you saturate the color by 10%, you get **29.1104, 18.9210, 37.0449**, and if you desaturate by 10%, it is **33.3276, 26.3453, 41.5641**.

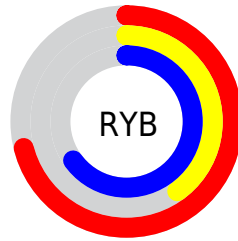
Distribution



Red (71%)

Green (40%)

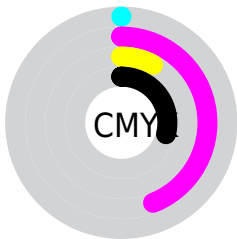
Blue (65%)



Red (71%)

Yellow (40%)

Blue (65%)

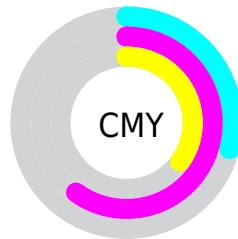


Cyan (0%)

Magenta (44%)

Yellow (8%)

Black (29%)



Cyan (29%)


Magenta (60%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0178, 22.2378, 39.2167 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 31.0178, 22.2378, 39.2167 by changing the saturation by 10% instead.

 31.0178, 22.2378,
39.2167


 31.0178, 22.2378,
39.2167

298.4457,
263.7856, 358.2644

 20.7643, 14.0317,
26.6192


 60.6437, 47.1387,
75.1932


 13.0633, 8.1427,
17.0575


 80.7469, 64.6024,
99.4094

 7.5494, 4.1864,
10.1131


 104.8640, 85.9206,
128.3355

 3.8574, 1.7784,
5.3675

 133.3603,
111.4780, 162.3901

 1.6218, 0.4736,
2.4019

166.6013,
141.6587, 201.9917

 0.4065, 0.0000,
0.7875

204.9523,

 0.0000, 0.0000,

176.8473, 247.5590

0.0000

248.7787,
217.4282, 299.5103

■ 31.0178, 22.2378,
39.2167

■ 31.0178, 22.2378,
39.2167

■ 29.1104, 18.9210,
37.0449

■ 33.3276, 26.3453,
41.5641

■ 27.5773, 16.3397,
35.0385

■ 36.0613, 31.2876,
44.0940

■ 26.3899, 14.4369,
33.1877


■ 39.2414, 37.1094,
46.8144


■ 25.5147, 13.1454,
31.4812


■ 42.8884, 43.8511,
49.7325


■ 24.9113, 12.3846,
29.9050


■ 47.0211, 51.5506,
52.8547

 24.6269, 12.0793,
28.9981

 51.6576, 60.2439,
56.1875

 56.8149, 69.9649,
59.7367

 62.5093, 80.7460,
63.5082

 65.2118, 85.5293,
66.3258

Harmonies

Analogous

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



26.8662, 22.2378, 55.8794



31.0178, 22.2378, 39.2167



32.3972, 22.2378, 22.8260

Triad

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



31.0178, 22.2378, 39.2167



20.6463, 22.2378, 5.7018



13.9857, 22.2378, 42.6937

Complementary

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



31.0178, 22.2378, 39.2167



25.4193, 37.5658, 22.7422

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.



12.8438, 22.2378, 25.6555



31.0178, 22.2378, 39.2167



16.2853, 22.2378, 7.5632

Square

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



31.0178, 22.2378, 39.2167



25.8748, 22.2378, 6.9305



13.6140, 22.2378, 13.6271



17.0149, 22.2378, 58.3863

Rectangle

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



31.0178, 22.2378, 39.2167



31.4052, 22.2378, 14.9165



13.6140, 22.2378, 13.6271



13.3924, 22.2378, 36.7402

Sweetspot

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



31.0185, 22.2388, 39.2172



71.5997, 68.1179, 85.2493



20.4873, 16.6401, 46.3885



15.5142, 14.4934, 18.5805



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.



31.0185, 22.2388, 39.2172



52.7942, 34.3337, 67.1831



27.8961, 20.9899, 22.7750



9.3068, 9.1331, 10.9628



17.4140, 8.5394, 20.5988



0.6328, 0.3086, 0.8258

Inverse Universe

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



31.0185, 22.2388, 39.2172



52.7942, 34.3337, 67.1831



28.2656, 38.7043, 37.7311



9.3068, 9.1331, 10.9628



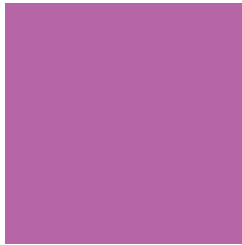
17.4140, 8.5394, 20.5988



0.6328, 0.3086, 0.8258

Previews

White Background



This preview shows how the XYZ color 31.0178, 22.2378, 39.2167 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 31.0178, 22.2378, 39.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

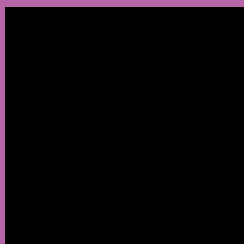
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0178, 22.2378, 39.2167

Background



This preview shows how black text looks on a background with the XYZ color 31.0178, 22.2378, 39.2167.



This preview shows how white text looks on a background with the XYZ color 31.0178, 22.2378,

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

31.0178, 22.2378, 39.2167

Protanopia

23.3709, 22.4709, 50.1193

Deuteranopia

22.8449, 22.4826, 37.3179



Tritanopia

27.3158, 22.2915, 20.6323

Trichromacy



Original Color

31.0178, 22.2378, 39.2167

Protanomaly

25.1516, 21.8073, 46.0636

Deuteranomaly

25.1517, 21.9850, 38.0398

Tritanomaly

28.4683, 22.1150, 26.4351

Monochromacy



Original Color

31.0178, 22.2378, 39.2167

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.8329, 22.5427, 29.8304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0178, 22.2378, 39.2167 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(182, 102, 167)` looks like.

```
.text, #text, p{  
    color:rgb(182, 102, 167)  
}
```

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(182, 102, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 102, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.0178, 22.2378, 39.2167 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(182, 102, 167) }
```


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

```
.border{ border-color:rgb(182, 102, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 102, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 102, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 102, 167);  
box-shadow:4px 4px 4px 4px rgb(182, 102,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0178, 22.2378, 39.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 102, 167) }
```

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

```
.background{ background-color: rgb(182,  
102, 167) }
```

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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