

Converting Colors

XYZ(31.0039, 21.0075, 38.2587)

Have a look what the booklet for
XYZ(31.0039, 21.0075, 38.2587)
contains.

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Color

**XYZ(31.0470, 21.0210,
38.4975)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5DA6
RGB	186, 93, 166
RGB Percent	73%, 36%, 65%
CMY	0.2706, 0.6353, 0.3490
CMYK	0.00, 0.50, 0.11, 0.27
HSL	313°, 40%, 55%
HSV	313°, 50%, 73%
XYZ	31.0470, 21.0210, 38.4975
YIQ	129.1290, 31.9950, 42.4190

Conversions

Conversions Part 2

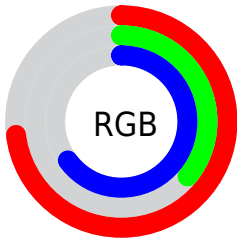
Format	Color
R_{YB}	186, 93, 166
Decimal	12213670
CIE _{Lab}	52.97, 47.05, -22.51
CIE _{LCh}	53, 52.158, 334.438
Yxy	21.0210, 0.3428, 0.2321
Android (android.graphics.Color)	4290403750 (0xFFBA5DA6)
YUV	129.1290, 18.1774, 49.8759
Hunter-Lab	45.8487, 40.6384, -17.6896

Details

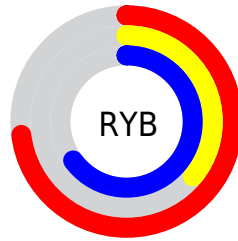
The XYZ color **31.0470, 21.0210, 38.4975** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.0547, 38.6380, 21.7617**, and the grayscale version is **20.8426, 21.9280, 23.8796**.

A 20% lighter version of the original color is **60.6383, 45.0113, 73.8987**, and **13.1561, 7.5578, 16.6850** is the 20% darker color. If you saturate the color by 10%, you get **29.2474, 17.9997, 36.1153**, and if you desaturate by 10%, it is **33.2564, 24.8429, 41.0730**.

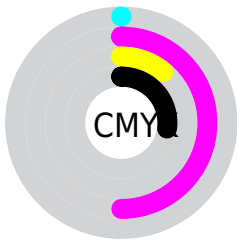
Distribution



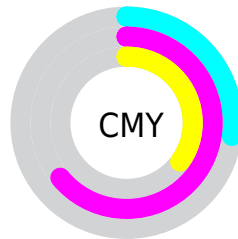
- Red (73%)
- Green (36%)
- Blue (65%)



- Red (73%)
- Yellow (36%)
- Blue (65%)



- Cyan (0%)
- Magenta (50%)
- Yellow (11%)
- Black (27%)



- Cyan (27%)
- Magenta (64%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0470, 21.0210, 38.4975 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 31.0470, 21.0210, 38.4975 by changing the saturation by 10% instead.

■ 31.0470, 21.0210,
38.4975

■ 31.0470, 21.0210,
38.4975

298.5778,
257.3901, 355.1113

■ 20.7866, 13.1394,
26.0642

■ 60.6894, 45.1225,
74.0819

■ 13.0797, 7.5246,
16.6455

■ 80.8022, 62.1111,
98.0701

■ 7.5608, 3.7923,
9.8228

■ 104.9297, 82.9042,
126.7470

■ 3.8647, 1.5581,
5.1776

■ 133.4375,
107.8861, 160.5312

■ 1.6259, 0.3291,
2.2913

166.6909,
137.4412, 199.8412

■ 0.4092, 0.0000,
0.7263

205.0551,

■ 0.0000, 0.0000,

171.9540, 245.0955

0.0000

248.8957,
211.8088, 296.7127

■ 31.0470, 21.0210,
38.4975

■ 31.0470, 21.0210,
38.4975

■ 29.2474, 17.9997,
36.1153

■ 33.2564, 24.8429,
41.0730

■ 27.8262, 15.7173,
33.9149

■ 35.8999, 29.5151,
43.8498

■ 26.7506, 14.1082,
31.8850


■ 39.0026, 35.0869,
46.8370


■ 25.9811, 13.0937,
30.0120


■ 42.5867, 41.6029,
50.0424


■ 25.4382, 12.5146,
28.2687


■ 46.6731, 49.1045,
53.4736

 25.4381, 12.5145,
28.2683

 51.2815, 57.6311,
57.1375

 56.4304, 67.2196,
61.0408

 62.1376, 77.9052,
65.1898

 66.6709, 86.2236,
69.0078

Harmonies

Analogous

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



26.5362, 21.0210, 57.7946



31.0470, 21.0210, 38.4975



32.4049, 21.0210, 20.6360

Triad

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



31.0470, 21.0210, 38.4975



19.1771, 21.0210, 4.0783



12.5014, 21.0210, 44.4934

Complementary

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



31.0470, 21.0210, 38.4975



25.0547, 38.6380, 21.7617

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.



11.2225, 21.0210, 25.2988



31.0470, 21.0210, 38.4975



14.6035, 21.0210, 5.9515

Square

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



31.0470, 21.0210, 38.4975



24.8694, 21.0210, 5.0516



11.9155, 21.0210, 12.1976



15.7772, 21.0210, 62.2247

Rectangle

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



31.0470, 21.0210, 38.4975



31.1641, 21.0210, 12.5528



11.9155, 21.0210, 12.1976



11.8539, 21.0210, 37.7455

Sweetspot

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



31.0477, 21.0220, 38.4979



73.6679, 68.9876, 87.6032



19.4096, 14.7936, 48.2873



15.9253, 14.6519, 19.0231



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.0477, 21.0220, 38.4979



52.7259, 32.1551, 65.0491



27.6100, 19.6469, 20.3953



9.2960, 9.1288, 10.9061



17.1422, 8.4306, 19.1675



0.6252, 0.3056, 0.7860

Inverse Universe

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



31.0477, 21.0220, 38.4979



52.7259, 32.1551, 65.0491



28.2541, 39.9177, 38.6096



9.2960, 9.1288, 10.9061



17.1422, 8.4306, 19.1675



0.6252, 0.3056, 0.7860

Previews

White Background



This preview shows how the XYZ color 31.0470, 21.0210, 38.4975 looks on a white background.

Color Contrast Check

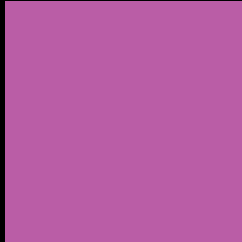
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0470, 21.0210, 38.4975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

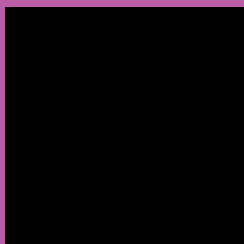
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0470, 21.0210, 38.4975

Background



This preview shows how black text looks on a background with the XYZ color 31.0470, 21.0210, 38.4975.



This preview shows how white text looks on a background with the XYZ color 31.0470, 21.0210,

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

31.0470, 21.0210, 38.4975

Protanopia

22.4465, 21.3719, 52.2323

Deuteranopia

21.7927, 21.3780, 36.6960



Tritanopia

26.8546, 20.9987, 18.2605

Trichromacy



Original Color

31.0470, 21.0210, 38.4975

Protanomaly

24.1801, 20.2560, 46.8913

Deuteranomaly

24.1930, 20.4743, 37.3272

Tritanomaly

28.1099, 20.9184, 24.3859

Monochromacy



Original Color

31.0470, 21.0210, 38.4975

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.7056, 20.9278, 28.3812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0470, 21.0210, 38.4975 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(186, 93, 166)` looks like.

```
.text, #text, p{  
    color:rgb(186, 93, 166)  
}
```

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(186, 93, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 93, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.0470, 21.0210, 38.4975 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(186, 93, 166) }
```


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

```
.border{ border-color:rgb(186, 93, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 93, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 93, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 93, 166);  
box-shadow:4px 4px 4px 4px rgb(186, 93,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0470, 21.0210, 38.4975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 93, 166) }
```

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

```
.background{ background-color: rgb(186, 93,  
166) }
```

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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