

Converting Colors

XYZ(31.1471, 21.0787, 38.7584)

Have a look what the booklet for
XYZ(31.1471, 21.0787, 38.7584)
contains.

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Color

**XYZ(31.1391, 21.0578,
38.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5DA7
RGB	186, 93, 167
RGB Percent	73%, 36%, 65%
CMY	0.2706, 0.6353, 0.3451
CMYK	0.00, 0.50, 0.10, 0.27
HSL	312°, 40%, 55%
HSV	312°, 50%, 73%
XYZ	31.1391, 21.0578, 38.9826
YIQ	129.2430, 31.6740, 42.7300

Conversions

Conversions Part 2

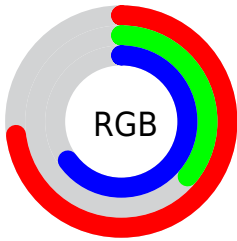
Format	Color
R_{YB}	186, 93, 167
Decimal	12213671
CIE _{Lab}	53.01, 47.22, -23.03
CIE _{LCh}	53, 52.535, 334.003
Yxy	21.0578, 0.3415, 0.2309
Android (android.graphics.Color)	4290403751 (0xFFBA5DA7)
YUV	129.2430, 18.6142, 49.7759
Hunter-Lab	45.8888, 40.8207, -18.2448

Details

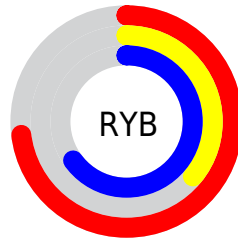
The XYZ color **31.1391, 21.0578, 38.9826** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.9987, 38.6155, 21.4667**, and the grayscale version is **20.8811, 21.9685, 23.9237**.

A 20% lighter version of the original color is **60.7719, 45.0648, 74.6026**, and **13.2134, 7.5807, 16.9865** is the 20% darker color. If you saturate the color by 10%, you get **29.3546, 18.0425, 36.6799**, and if you desaturate by 10%, it is **33.3323, 24.8732, 41.4728**.

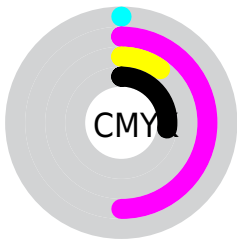
Distribution



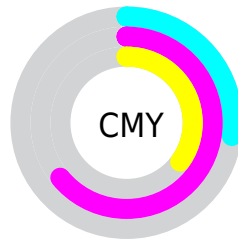
- Red (73%)
- Green (36%)
- Blue (65%)



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



- Cyan (0%)
- Magenta (50%)
- Yellow (10%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1391, 21.0578, 38.9826 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 31.1391, 21.0578, 38.9826 by changing the saturation by 10% instead.


 31.1391, 21.0578,
38.9826


 31.1391, 21.0578,
38.9826

298.9941,
257.5855, 357.2403


 20.8571, 13.1663,
26.4385


 60.8334, 45.1837,
74.8318


 13.1315, 7.5431,
16.9232


 80.9764, 62.1869,
98.9739

 7.5968, 3.8040,
10.0184


 105.1371, 82.9960,
127.8191

 3.8877, 1.5646,
5.3054

 133.6809,
107.9956, 161.7860

 1.6388, 0.3335,
2.3657

166.9732,
137.5699, 201.2929

 0.4175, 0.0000,
0.7677

205.3792,

 0.0000, 0.0000,

172.1034, 246.7586

0.0000

249.2644,
211.9805, 298.6016

■ 31.1391, 21.0578,
38.9826

■ 31.1391, 21.0578,
38.9826

■ 29.3546, 18.0425,
36.6799

■ 33.3323, 24.8732,
41.4728

■ 27.9474, 15.7658,
34.5534

■ 35.9585, 29.5385,
44.1586

■ 26.8848, 14.1619,
32.5917


■ 39.0428, 35.1029,
47.0488

■ 26.1272, 13.1521,
30.7814


■ 42.6073, 41.6110,
50.1513


■ 25.5952, 12.5774,
29.0954


■ 46.6730, 49.1044,
53.4735

 25.5951, 12.5773,
29.0951

 51.2595, 57.6223,
57.0223

 56.3854, 67.2015,
60.8044

 62.0684, 77.8774,
64.8259

 66.5764, 86.1858,
68.5100

Harmonies

Analogous

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



26.5501, 21.0578, 58.4448



31.1391, 21.0578, 38.9826



32.5663, 21.0578, 20.8730

Triad

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



31.1391, 21.0578, 38.9826



19.2836, 21.0578, 4.0171



12.4481, 21.0578, 44.4509

Complementary

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



31.1391, 21.0578, 38.9826



24.9987, 38.6155, 21.4667

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.



11.1906, 21.0578, 25.1144



31.1391, 21.0578, 38.9826



14.6510, 21.0578, 5.8425

Square

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



31.1391, 21.0578, 38.9826



25.0320, 21.0578, 5.0311



11.9164, 21.0578, 12.0266



15.7172, 21.0578, 62.4907

Rectangle

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



31.1391, 21.0578, 38.9826



31.3490, 21.0578, 12.6604



11.9164, 21.0578, 12.0266



11.8064, 21.0578, 37.6339

Sweetspot

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



31.1398, 21.0588, 38.9830



73.7243, 69.0101, 87.9000



19.4096, 14.7936, 48.2873



15.9393, 14.6575, 19.0971



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.



31.1398, 21.0588, 38.9830



52.9229, 32.2339, 66.0863



27.6099, 19.6468, 20.3952



9.3002, 9.1304, 10.9282



17.2469, 8.4725, 19.7187



0.6282, 0.3067, 0.8014

Inverse Universe

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



31.1398, 21.0588, 38.9830



52.9229, 32.2339, 66.0863



28.2541, 39.9177, 38.6096



9.3002, 9.1304, 10.9282



17.2469, 8.4725, 19.7187



0.6282, 0.3067, 0.8014

Previews

White Background



This preview shows how the XYZ color 31.1391, 21.0578, 38.9826 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 31.1391, 21.0578, 38.9826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

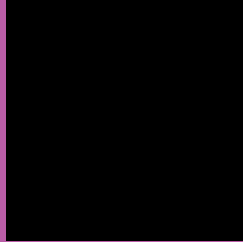
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1391, 21.0578, 38.9826

Background



This preview shows how black text looks on a background with the XYZ color 31.1391, 21.0578, 38.9826.



This preview shows how white text looks on a background with the XYZ color 31.1391, 21.0578,

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

31.1391, 21.0578, 38.9826

Protanopia

22.5570, 21.4161, 52.8140

Deuteranopia

21.7404, 21.3408, 37.1558



Tritanopia

26.8546, 20.9987, 18.2605

Trichromacy



Original Color

31.1391, 21.0578, 38.9826

Protanomaly

24.2839, 20.2975, 47.4377

Deuteranomaly

24.2830, 20.5103, 37.8010

Tritanomaly

28.1787, 20.9459, 24.7481

Monochromacy



Original Color

31.1391, 21.0578, 38.9826

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.7810, 20.9580, 28.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1391, 21.0578, 38.9826 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(186, 93, 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(186, 93, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 93, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.1391, 21.0578, 38.9826 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, 167) }
```


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

```
.border{ border-color:rgb(186, 93, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 93, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 93, 167);  
box-shadow:4px 4px 4px 4px rgb(186, 93,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1391, 21.0578, 38.9826 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, 167) }
```

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

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