

Converting Colors

XYZ(30.5306, 21.5053, 31.4895)

Have a look what the booklet for
XYZ(30.5306, 21.5053, 31.4895)
contains.

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Color

**XYZ(30.5188, 21.4428,
31.3845)**

Conversions

Conversions Part 1

Format	Color
Hex	BC6196
RGB	188, 97, 150
RGB Percent	74%, 38%, 59%
CMY	0.2627, 0.6196, 0.4118
CMYK	0.00, 0.48, 0.20, 0.26
HSL	325°, 40%, 56%
HSV	325°, 48%, 74%
XYZ	30.5188, 21.4428, 31.3845
YIQ	130.2510, 37.2230, 35.7750

Conversions

Conversions Part 2

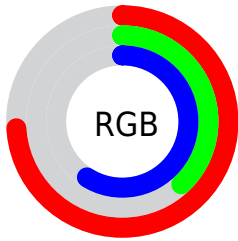
Format	Color
R_{YB}	188, 97, 150
Decimal	12345750
CIE _{Lab}	53.43, 43.11, -12.41
CIE _{LCh}	53, 44.863, 343.947
Yxy	21.4428, 0.3662, 0.2573
Android (android.graphics.Color)	4290535830 (0xFFBC6196)
YUV	130.2510, 9.7363, 50.6459
Hunter-Lab	46.3064, 36.6065, -7.7698

Details

The XYZ color **30.5188, 21.4428, 31.3845** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.2872, 40.2578, 29.2560**, and the grayscale version is **21.2650, 22.3724, 24.3636**.

A 20% lighter version of the original color is **59.8115, 45.7652, 62.8079**, and **12.7062, 7.6832, 12.6177** is the 20% darker color. If you saturate the color by 10%, you get **28.3719, 18.1269, 27.6536**, and if you desaturate by 10%, it is **33.1210, 25.6009, 35.4766**.

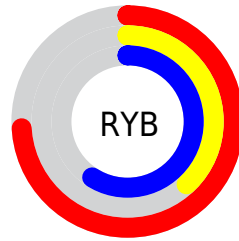
Distribution



Red (74%)

Green (38%)

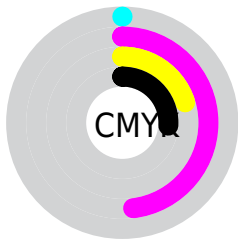
Blue (59%)



Red (74%)

Yellow (38%)

Blue (59%)

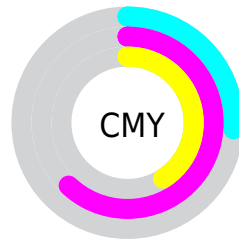


Cyan (0%)

Magenta (48%)

Yellow (20%)

Black (26%)



Cyan (26%)


Magenta (62%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5188, 21.4428, 31.3845 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 30.5188, 21.4428, 31.3845 by changing the saturation by 10% instead.


 30.5188, 21.4428,
31.3845


 30.5188, 21.4428,
31.3845


296.1819,
259.6225, 322.7117

 20.3827, 13.4481,
20.6309


 59.8627, 45.8233,
62.9316


 12.7834, 7.7378,
12.6659


 79.8012, 62.9779,
84.5621

 7.3556, 3.9276,
7.0709


 103.7379, 83.9545,
110.6554

 3.7337, 1.6332,
3.4273

 132.0382,
109.1376, 141.6300

 1.5526, 0.3798,
1.3168

165.0674,
138.9116, 177.9043

 0.3612, 0.0000,
0.0755

203.1908,

 0.0000, 0.0000,

173.6607, 219.8971

0.0000

246.7739,
213.7696, 268.0267

■ 30.5188, 21.4428,
31.3845

■ 30.5188, 21.4428,
31.3845

■ 28.3719, 18.1269,
27.6536

■ 33.1210, 25.6009,
35.4766

■ 26.6480, 15.5908,
24.2684

■ 36.2039, 30.6517,
39.9417

■ 25.3134, 13.7681,
21.2138


■ 39.7934, 36.6455,
44.7925


■ 24.3280, 12.5801,
18.4720


■ 43.9129, 43.6276,
50.0405


■ 23.6271, 11.8988,
16.0170


■ 48.5843, 51.6407,
55.6967

 23.5260, 11.8062,
15.6458

 53.8281, 60.7248,
61.7714

 59.6638, 70.9178,
68.2746

 66.1101, 82.2558,
75.2160

 69.5050, 87.4138,
81.3782

Harmonies

Analogous

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



27.4263, 21.4428, 47.8050



30.5188, 21.4428, 31.3845



30.6331, 21.4428, 17.5750

Triad

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



30.5188, 21.4428, 31.3845



18.2505, 21.4428, 6.0144



14.4683, 21.4428, 46.7133

Complementary

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



30.5188, 21.4428, 31.3845



27.2872, 40.2578, 29.2560

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.



12.7167, 21.4428, 30.2631



30.5188, 21.4428, 31.3845



14.6587, 21.4428, 9.0891

Square

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



30.5188, 21.4428, 31.3845



23.0218, 21.4428, 6.1160



12.7805, 21.4428, 16.8151



17.9498, 21.4428, 58.7495

Rectangle

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



30.5188, 21.4428, 31.3845



28.9688, 21.4428, 11.5428



12.7805, 21.4428, 16.8151



13.6837, 21.4428, 41.2877

Sweetspot

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



30.5194, 21.4438, 31.3849



74.3698, 70.2105, 84.1023



23.3312, 17.3255, 49.6918



15.6672, 14.5487, 17.6641



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.



30.5194, 21.4438, 31.3849



51.2290, 32.5647, 49.7655



27.5431, 20.2533, 15.7115



9.7568, 9.6270, 11.1086



16.0554, 8.0533, 10.8510



0.6608, 0.3282, 0.5932

Inverse Universe

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



30.5194, 21.4438, 31.3849



51.2290, 32.5647, 49.7655



31.1945, 41.8207, 49.8315



9.7568, 9.6270, 11.1086



16.0554, 8.0533, 10.8510



0.6608, 0.3282, 0.5932

Previews

White Background



This preview shows how the XYZ color 30.5188, 21.4428, 31.3845 looks on a white background.

Color Contrast Check

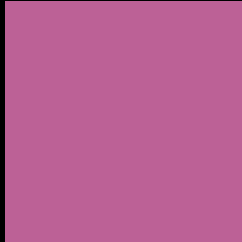
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5188, 21.4428, 31.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

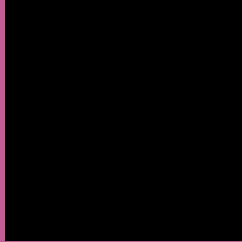
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5188, 21.4428, 31.3845

Background



This preview shows how black text looks on a background with the XYZ color 30.5188, 21.4428, 31.3845.



This preview shows how white text looks on a background with the XYZ color 30.5188, 21.4428,

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

30.5188, 21.4428, 31.3845

Protanopia

22.1425, 21.8320, 41.5750

Deuteranopia

21.9602, 21.6171, 29.8032



Tritanopia

27.7434, 21.4633, 18.0098

Trichromacy



Original Color

30.5188, 21.4428, 31.3845

Protanomaly

24.0116, 20.8859, 37.4162

Deuteranomaly

24.3461, 21.0435, 30.3824

Tritanomaly

28.5249, 21.3234, 22.3511

Monochromacy



Original Color

30.5188, 21.4428, 31.3845

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.7563, 21.3423, 26.5343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5188, 21.4428, 31.3845 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(188, 97, 150)` looks like.

```
.text, #text, p{  
    color:rgb(188, 97, 150)  
}
```

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(188, 97, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 97, 150) }
```

Border

The CSS property to change the border of an element to XYZ 30.5188, 21.4428, 31.3845 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(188, 97, 150) }
```


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

```
.border{ border-color:rgb(188, 97, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 97, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 97, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 97, 150);  
box-shadow:4px 4px 4px 4px rgb(188, 97,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5188, 21.4428, 31.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 97, 150) }
```

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

```
.background{ background-color: rgb(188, 97,  
150) }
```

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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