

Converting Colors

XYZ(31.8423, 21.0825, 31.2452)

Have a look what the booklet for
XYZ(31.8423, 21.0825, 31.2452)
contains.

XYZ(31.8423, 21.0825, 31.2452)	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(31.8423, 21.0825,
31.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	C45996
RGB	196, 89, 150
RGB Percent	77%, 35%, 59%
CMY	0.2314, 0.6510, 0.4118
CMYK	0.00, 0.55, 0.23, 0.23
HSL	326°, 48%, 56%
HSV	326°, 55%, 77%
XYZ	31.8423, 21.0825, 31.2452
YIQ	127.9470, 44.1910, 41.6550

Conversions

Conversions Part 2

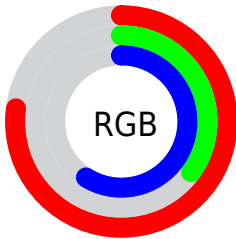
Format	Color
R_{YB}	196, 89, 150
Decimal	12867990
CIE _{Lab}	53.04, 49.68, -12.88
CIE _{LCh}	53, 51.322, 345.461
Yxy	21.0825, 0.3783, 0.2505
Android (android.graphics.Color)	4291058070 (0xFFC45996)
YUV	127.9470, 10.8721, 59.6825
Hunter-Lab	45.9157, 43.4364, -8.2053

Details

The XYZ color **31.8423, 21.0825, 31.2452** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **28.2339, 43.3535, 29.8037**, and the grayscale version is **20.4530, 21.5181, 23.4332**.

A 20% lighter version of the original color is **61.9615, 45.2646, 62.5979**, and **13.4716, 7.5339, 12.5485** is the 20% darker color. If you saturate the color by 10%, you get **29.7687, 17.9824, 27.3257**, and if you desaturate by 10%, it is **34.4001, 25.0725, 35.5672**.

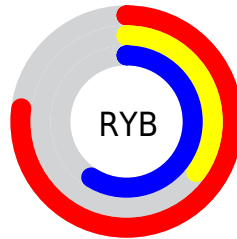
Distribution



Red (77%)

Green (35%)

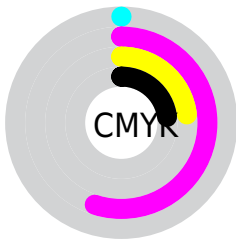
Blue (59%)



Red (77%)

Yellow (35%)

Blue (59%)

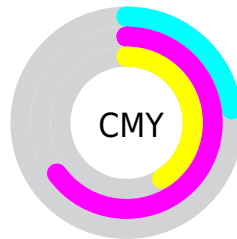


Cyan (0%)

Magenta (55%)

Yellow (23%)

Black (23%)



Cyan (23%)


Magenta (65%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8423, 21.0825, 31.2452 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 31.8423, 21.0825, 31.2452 by changing the saturation by 10% instead.

 31.8423, 21.0825,
31.2452


 31.8423, 21.0825,
31.2452


302.1583,
257.7166, 322.0525


 21.3960, 13.1843,
20.5256


 61.9306, 45.2248,
62.7100


 13.5279, 7.5556,
12.5898


 82.3034, 62.2377,
84.2923

 7.8726, 3.8119,
7.0193


 106.7158, 83.0576,
110.3326

 4.0646, 1.5689,
3.3956

 135.5331,
108.0690, 141.2493

 1.7388, 0.3365,
1.3000

169.1206,
137.6562, 177.4612

 0.4803, 0.0000,
0.0618

207.8437,

 0.0000, 0.0000,

172.2036, 219.3866

0.0000

252.0679,
212.0956, 267.4442

■ 31.8423, 21.0825,
31.2452

■ 31.8423, 21.0825,
31.2452

■ 29.7687, 17.9824,
27.3257

■ 34.4001, 25.0725,
35.5672

■ 28.1412, 15.6980,
23.7905

■ 37.4726, 30.0125,
40.3063

■ 26.9184, 14.1483,
20.6208

■ 41.0899, 35.9609,
45.4774

■ 26.0497, 13.2340,
17.7943

■ 45.2792, 42.9706,
51.0941

■ 25.6749, 12.8997,
16.3885

■ 50.0658, 51.0906,
57.1694

■ 55.4734, 60.3671,
63.7155

■ 61.5244, 70.8434,
70.7443

■ 68.2400, 82.5606,
78.2668

■ 72.2305, 88.7380,
85.1574

Harmonies

Analogous

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



28.3735, 21.0825, 50.7139



31.8423, 21.0825, 31.2452



31.7836, 21.0825, 15.9150

Triad

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



31.8423, 21.0825, 31.2452



17.3997, 21.0825, 4.5827



13.6107, 21.0825, 51.2886

Complementary

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



31.8423, 21.0825, 31.2452



28.2339, 43.3535, 29.8037

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.



11.6148, 21.0825, 31.8149



31.8423, 21.0825, 31.2452



13.5198, 21.0825, 7.7926

Square

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



31.8423, 21.0825, 31.2452



22.7553, 21.0825, 4.5406



11.5849, 21.0825, 16.2790



17.5466, 21.0825, 65.3597

Rectangle

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



31.8423, 21.0825, 31.2452



29.7245, 21.0825, 9.6792



11.5849, 21.0825, 16.2790



12.7245, 21.0825, 44.8485

Sweetspot

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



31.8429, 21.0835, 31.2456



80.6904, 75.5957, 90.8114



23.3025, 16.1657, 54.1168



16.9206, 15.5922, 18.9736



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.8429, 21.0835, 31.2456



53.1341, 31.4320, 47.8719



28.5388, 19.7619, 13.8462



10.3084, 10.1720, 11.7143



16.5411, 8.3062, 10.7612



0.7487, 0.3725, 0.6440

Inverse Universe

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



31.8429, 21.0835, 31.2456



53.1341, 31.4320, 47.8719



32.8390, 45.1955, 54.0537



10.3084, 10.1720, 11.7143



16.5411, 8.3062, 10.7612



0.7487, 0.3725, 0.6440

Previews

White Background



This preview shows how the XYZ color 31.8423, 21.0825, 31.2452 looks on a white background.

Color Contrast Check

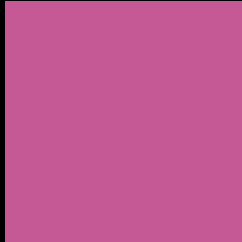
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8423, 21.0825, 31.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

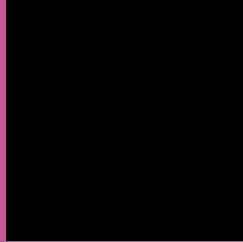
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8423, 21.0825, 31.2452

Background



This preview shows how black text looks on a background with the XYZ color 31.8423, 21.0825, 31.2452.



This preview shows how white text looks on a background with the XYZ color 31.8423, 21.0825,

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

31.8423, 21.0825, 31.2452

Protanopia

21.8522, 21.2466, 44.0236

Deuteranopia

21.6018, 21.2542, 29.3495



Tritanopia

28.8016, 21.1708, 16.2040

Trichromacy



Original Color

31.8423, 21.0825, 31.2452

Protanomaly

24.0969, 20.2180, 39.1916

Deuteranomaly

24.3903, 20.4128, 29.8487

Tritanomaly

29.5974, 20.9270, 20.8917

Monochromacy



Original Color

31.8423, 21.0825, 31.2452

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.5981, 20.5845, 26.0220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8423, 21.0825, 31.2452 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(196, 89, 150)` looks like.

```
.text, #text, p{  
    color:rgb(196, 89, 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(196, 89, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 89, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.8423, 21.0825, 31.2452 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(196, 89, 150) }
```


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

```
.border{ border-color:rgb(196, 89, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 89, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 89, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 89, 150);  
box-shadow:4px 4px 4px 4px rgb(196, 89,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8423, 21.0825, 31.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 89, 150) }
```

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

```
.background{ background-color: rgb(196, 89,  
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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