

Converting Colors

XYZ(31.7554, 21.5104, 18.4640)

Have a look what the booklet for
XYZ(31.7554, 21.5104, 18.4640)
contains.

XYZ(31.6802, 21.5344, 18.4064)	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(31.6802, 21.5344,
18.4064)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5B72
RGB	204, 91, 114
RGB Percent	80%, 36%, 45%
CMY	0.2000, 0.6431, 0.5529
CMYK	0.00, 0.55, 0.44, 0.20
HSL	348°, 53%, 58%
HSV	348°, 55%, 80%
XYZ	31.6802, 21.5344, 18.4064
YIQ	127.4090, 59.9650, 31.1090

Conversions

Conversions Part 2

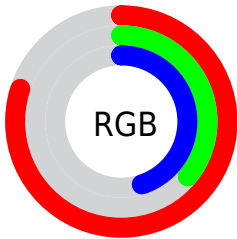
Format	Color
R_{YB}	204, 91, 114
Decimal	13392754
CIE _{Lab}	53.53, 46.98, 9.29
CIE _{LCh}	54, 47.887, 11.189
Yxy	21.5344, 0.4423, 0.3007
Android (android.graphics.Color)	4291582834 (0xFFCC5B72)
YUV	127.4090, -6.6106, 67.1703
Hunter-Lab	46.4052, 40.6505, 8.9665

Details

The XYZ color **31.6802, 21.5344, 18.4064** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **34.2489, 48.7466, 51.3230**, and the grayscale version is **20.3218, 21.3801, 23.2829**.

A 20% lighter version of the original color is **58.2483, 44.2640, 41.5502**, and **13.4990, 7.8275, 5.9536** is the 20% darker color. If you saturate the color by 10%, you get **29.3230, 18.1711, 13.4559**, and if you desaturate by 10%, it is **34.6767, 25.9135, 24.3810**.

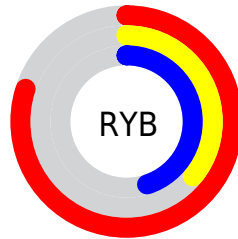
Distribution



Red (80%)

Green (36%)

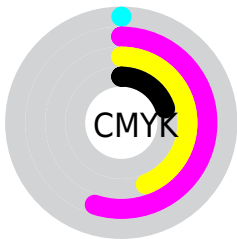
Blue (45%)



Red (80%)

Yellow (36%)

Blue (45%)

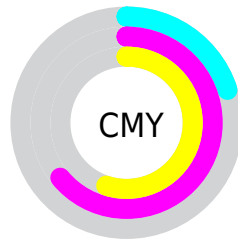


Cyan (0%)

Magenta (55%)

Yellow (44%)

Black (20%)



Cyan (20%)


Magenta (64%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6802, 21.5344, 18.4064 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 31.6802, 21.5344, 18.4064 by changing the saturation by 10% instead.


 31.6802, 21.5344,
18.4064


 31.6802, 21.5344,
18.4064


301.4311,
260.1051, 255.4644


 21.2717, 13.5152,
11.0697


 61.6780, 45.9752,
41.5519


 13.4364, 7.7843,
5.9990


 81.9980, 63.1657,
58.1977

 7.8088, 3.9572,
2.7757


 106.3526, 84.1820,
78.7837

 4.0236, 1.6497,
0.9813

 135.1070,
109.4085, 103.7283

 1.7155, 0.3907,
0.0000

168.6268,
139.2297, 133.4502

 0.4659, 0.0000,
0.0000

207.2771,

 0.0000, 0.0000,

174.0299, 168.3678

0.0000

251.4235,
214.1936, 208.8997

■ 31.6802, 21.5344,
18.4064

■ 31.6802, 21.5344,
18.4064

■ 29.3230, 18.1711,
13.4559

■ 34.6767, 25.9135,
24.3810

■ 27.5554, 15.7379,
9.4693

■ 38.3540, 31.3783,
31.4327

■ 26.3228, 14.1408,
6.3819

■ 42.7517, 37.9961,
39.6120

■ 25.5585, 13.2634,
4.1194

■ 47.9062, 45.8282,
48.9659

■ 25.3111, 13.0011,
3.3206

■ 53.8511, 54.9312,
59.5388

■ 60.6181, 65.3584,
71.3725

■ 68.2371, 77.1598,
84.5070

■ 76.7367, 90.3830,
98.9806

■ 78.7118, 91.5774,
108.1354

Harmonies

Analogous

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



31.2307, 21.5344, 33.7248



31.6802, 21.5344, 18.4064



28.7746, 21.5344, 9.3838

Triad

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



31.6802, 21.5344, 18.4064



14.6626, 21.5344, 8.0213



17.4644, 21.5344, 61.3708

Complementary

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



31.6802, 21.5344, 18.4064



34.2489, 48.7466, 51.3230

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.



13.9366, 21.5344, 47.2467



31.6802, 21.5344, 18.4064



12.5144, 21.5344, 15.5039

Square

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



31.6802, 21.5344, 18.4064



18.6223, 21.5344, 5.2733



12.2728, 21.5344, 29.3335



22.4314, 21.5344, 63.2251

Rectangle

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



31.6802, 21.5344, 18.4064



25.5695, 21.5344, 6.4387



12.2728, 21.5344, 29.3335



16.0943, 21.5344, 57.6914

Sweetspot

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



31.6808, 21.5355, 18.4068



77.6769, 73.3645, 78.1049



33.3511, 21.4884, 59.5166



16.2422, 15.1188, 16.0243



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.



31.6808, 21.5355, 18.4068



48.0720, 29.4071, 21.2153



33.8760, 27.7640, 13.4725



11.3041, 11.2504, 12.1362



15.9584, 8.1939, 2.2335



0.8512, 0.4339, 0.2624

Inverse Universe

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



31.6808, 21.5355, 18.4068



48.0720, 29.4071, 21.2153



29.9638, 36.0835, 62.5123



11.3041, 11.2504, 12.1362



15.9584, 8.1939, 2.2335



0.8512, 0.4339, 0.2624

Previews

White Background



This preview shows how the XYZ color 31.6802, 21.5344, 18.4064 looks on a white background.

Color Contrast Check

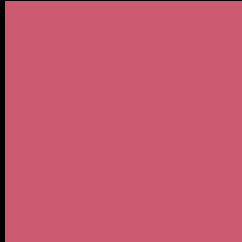
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6802, 21.5344, 18.4064 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 31.6802, 21.5344, 18.4064

Background



This preview shows how black text looks on a background with the XYZ color 31.6802, 21.5344, 18.4064.



This preview shows how white text looks on a background with the XYZ color 31.6802, 21.5344,

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

31.6802, 21.5344, 18.4064

Protanopia

21.0755, 21.8267, 25.6564

Deuteranopia

22.1807, 21.8153, 17.5097



Tritanopia

30.9316, 21.6220, 14.5998

Trichromacy



Original Color

31.6802, 21.5344, 18.4064

Protanomaly

23.6718, 20.8617, 22.8577

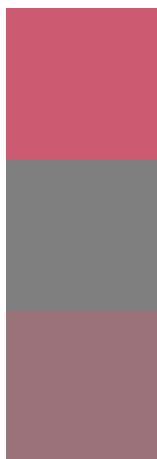
Deuteranomaly

24.8119, 21.0609, 17.7964

Tritanomaly

31.0928, 21.5451, 15.8845

Monochromacy



Original Color

31.6802, 21.5344, 18.4064

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.0477, 20.4083, 21.1368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6802, 21.5344, 18.4064 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(204, 91, 114)` looks like.

```
.text, #text, p{  
    color:rgb(204, 91, 114)  
}
```

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(204, 91, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 91, 114) }
```

Border

The CSS property to change the border of an element to XYZ 31.6802, 21.5344, 18.4064 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(204, 91, 114) }
```


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

```
.border{ border-color:rgb(204, 91, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 91, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 91, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 91, 114);  
box-shadow:4px 4px 4px 4px rgb(204, 91,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6802, 21.5344, 18.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 91, 114) }
```

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

```
.background{ background-color: rgb(204, 91,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor