

Converting Colors

XYZ(31.1865, 20.7751, 31.8167)

Have a look what the booklet for
XYZ(31.1865, 20.7751, 31.8167)
contains.

XYZ(31.1506, 20.7166, 31.6350)	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(31.1506, 20.7166,
31.6350)**

Conversions

Conversions Part 1

Format	Color
Hex	C15997
RGB	193, 89, 151
RGB Percent	76%, 35%, 59%
CMY	0.2431, 0.6510, 0.4078
CMYK	0.00, 0.54, 0.22, 0.24
HSL	324°, 46%, 55%
HSV	324°, 54%, 76%
XYZ	31.1506, 20.7166, 31.6350
YIQ	127.1640, 42.0820, 41.3300

Conversions

Conversions Part 2

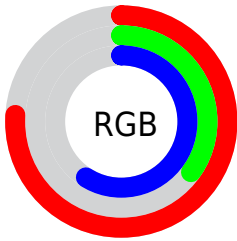
Format	Color
R_{YB}	193, 89, 151
Decimal	12671383
CIE _{Lab}	52.64, 48.88, -14.12
CIE _{LCh}	53, 50.877, 343.883
Yxy	20.7166, 0.3731, 0.2481
Android (android.graphics.Color)	4290861463 (0xFFC15997)
YUV	127.1640, 11.7511, 57.7382
Hunter-Lab	45.5155, 42.5125, -9.3480

Details

The XYZ color **31.1506, 20.7166, 31.6350** 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 **27.2876, 41.9031, 28.1247**, and the grayscale version is **20.1806, 21.2316, 23.1212**.

A 20% lighter version of the original color is **60.9868, 44.7481, 63.1805**, and **13.1888, 7.3825, 12.7864** is the 20% darker color. If you saturate the color by 10%, you get **29.1377, 17.6705, 27.9434**, and if you desaturate by 10%, it is **33.6275, 24.6234, 35.6882**.

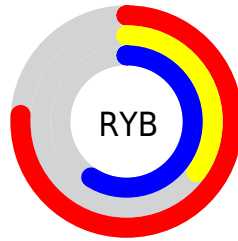
Distribution



Red (76%)

Green (35%)

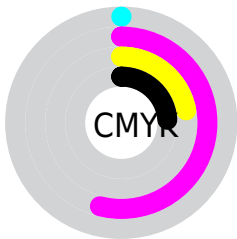
Blue (59%)



Red (76%)

Yellow (35%)

Blue (59%)

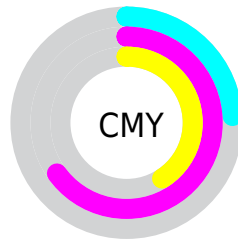


Cyan (0%)

Magenta (54%)

Yellow (22%)

Black (24%)



Cyan (24%)

Magenta (65%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1506, 20.7166, 31.6350 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 31.1506, 20.7166, 31.6350 by changing the saturation by 10% instead.

■ 31.1506, 20.7166,
31.6350

■ 31.1506, 20.7166,
31.6350

299.0460,
255.7685, 323.8945

■ 20.8659, 12.9170,
20.8204

■ 60.8513, 44.6154,
63.3297

■ 13.1379, 7.3714,
12.8028

■ 80.9981, 61.4834,
85.0468

■ 7.6013, 3.6955,
7.1638

■ 105.1630, 82.1430,
111.2352

■ 3.8905, 1.5047,
3.4847

■ 133.7113,
106.9785, 142.3133

■ 1.6404, 0.2920,
1.3472

167.0084,
136.3745, 178.6998

■ 0.4185, 0.0000,
0.1000

205.4196,

■ 0.0000, 0.0000,

170.7152, 220.8131

0.0000

249.3104,
210.3851, 269.0718

■ 31.1506, 20.7166,
31.6350

■ 31.1506, 20.7166,
31.6350

■ 29.1377, 17.6705,
27.9434

■ 33.6275, 24.6234,
35.6882

■ 27.5526, 15.4144,
24.5968

■ 36.5975, 29.4481,
40.1158

■ 26.3562, 13.8714,
21.5783

■ 40.0890, 35.2467,
44.9315

■ 25.5009, 12.9475,
18.8678

■ 44.1281, 42.0697,
50.1475

■ 25.0900, 12.5766,
17.3411

■ 48.7388, 49.9641,
55.7753

■ 53.9437, 58.9740,
61.8260

■ 59.7641, 69.1409,
68.3101

■ 66.2204, 80.5043,
75.2377

■ 70.8239, 88.0861,
81.7825

Harmonies

Analogous

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



27.6049, 20.7166, 50.6939



31.1506, 20.7166, 31.6350



31.2900, 20.7166, 16.2716

Triad

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



31.1506, 20.7166, 31.6350



17.3523, 20.7166, 4.4616



13.2389, 20.7166, 49.3305

Complementary

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



31.1506, 20.7166, 31.6350



27.2876, 41.9031, 28.1247

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.



11.3837, 20.7166, 30.2823



31.1506, 20.7166, 31.6350



13.4549, 20.7166, 7.4145

Square

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



31.1506, 20.7166, 31.6350



22.6472, 20.7166, 4.5620



11.4549, 20.7166, 15.4063



17.0031, 20.7166, 63.6388

Rectangle

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



31.1506, 20.7166, 31.6350



29.3849, 20.7166, 9.9145



11.4549, 20.7166, 15.4063



12.4040, 20.7166, 42.9740

Sweetspot

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



31.1512, 20.7176, 31.6354



77.2300, 72.2835, 87.5367



22.4973, 15.7897, 52.3143



16.2396, 14.9505, 18.3589



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.1512, 20.7176, 31.6354



51.5175, 30.6707, 48.7161



27.8368, 19.3919, 14.1821



10.3195, 10.1764, 11.7731



16.7282, 8.3810, 11.7466



0.7562, 0.3755, 0.6834

Inverse Universe

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



31.1512, 20.7176, 31.6354



51.5175, 30.6707, 48.7161



31.6962, 43.6665, 51.3402



10.3195, 10.1764, 11.7731



16.7282, 8.3810, 11.7466



0.7562, 0.3755, 0.6834

Previews

White Background



This preview shows how the XYZ color 31.1506, 20.7166, 31.6350 looks on a white background.

Color Contrast Check

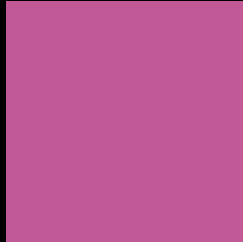
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1506, 20.7166, 31.6350 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 31.1506, 20.7166, 31.6350

Background



This preview shows how black text looks on a background with the XYZ color 31.1506, 20.7166, 31.6350.



This preview shows how white text looks on a background with the XYZ color 31.1506, 20.7166,

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

31.1506, 20.7166, 31.6350

Protanopia

21.4745, 20.8649, 43.9698

Deuteranopia

21.2471, 20.8774, 29.6980



Tritanopia

28.0496, 20.7831, 16.1688

Trichromacy



Original Color

31.1506, 20.7166, 31.6350

Protanomaly

23.4747, 19.7343, 39.1311

Deuteranomaly

23.8998, 20.1509, 30.2336

Tritanomaly

28.8403, 20.5367, 20.8563

Monochromacy



Original Color

31.1506, 20.7166, 31.6350

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.1116, 20.1671, 25.9671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1506, 20.7166, 31.6350 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(193, 89, 151)` looks like.

```
.text, #text, p{  
    color:rgb(193, 89, 151)  
}
```

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(193, 89, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 89, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.1506, 20.7166, 31.6350 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(193, 89, 151) }
```


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

```
.border{ border-color:rgb(193, 89, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 89, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 89, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 89, 151);  
box-shadow:4px 4px 4px 4px rgb(193, 89,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1506, 20.7166, 31.6350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 89, 151) }
```

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

```
.background{ background-color: rgb(193, 89,  
151) }
```

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