

Converting Colors

XYZ(31.1432, 22.9986, 20.8225)

Have a look what the booklet for
XYZ(31.1432, 22.9986, 20.8225)
contains.

XYZ(31.1665, 23.0169, 20.8892)	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(31.1665, 23.0169,
20.8892)**

Conversions

Conversions Part 1

Format	Color
Hex	C46879
RGB	196, 104, 121
RGB Percent	77%, 41%, 47%
CMY	0.2314, 0.5921, 0.5255
CMYK	0.00, 0.47, 0.38, 0.23
HSL	349°, 44%, 59%
HSV	349°, 47%, 77%
XYZ	31.1665, 23.0169, 20.8892
YIQ	133.4460, 49.3750, 24.7910

Conversions

Conversions Part 2

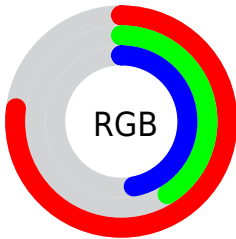
Format	Color
R_{YB}	196, 104, 121
Decimal	12871801
CIE _{Lab}	55.09, 38.37, 7.22
CIE _{LCh}	55, 39.041, 10.655
Yxy	23.0169, 0.4152, 0.3066
Android (android.graphics.Color)	4291061881 (0xFFC46879)
YUV	133.4460, -6.1359, 54.8599
Hunter-Lab	47.9759, 32.0007, 7.7677

Details

The XYZ color **31.1665, 23.0169, 20.8892** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.5868, 45.6782, 49.6971**, and the grayscale version is **22.4667, 23.6368, 25.7404**.

A 20% lighter version of the original color is **60.8398, 48.3911, 45.6690**, and **13.1232, 8.5162, 7.2555** is the 20% darker color. If you saturate the color by 10%, you get **28.5178, 19.1600, 15.5656**, and if you desaturate by 10%, it is **34.4372, 27.8580, 27.2214**.

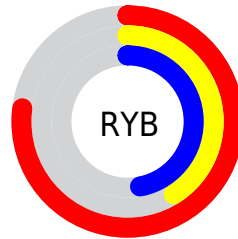
Distribution



Red (77%)

Green (41%)

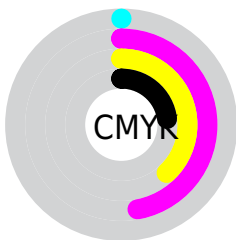
Blue (47%)



Red (77%)

Yellow (41%)

Blue (47%)

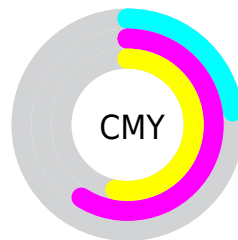


Cyan (0%)

Magenta (47%)

Yellow (38%)

Black (23%)



Cyan (23%)


Magenta (59%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1665, 23.0169, 20.8892 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 31.1665, 23.0169, 20.8892 by changing the saturation by 10% instead.

 31.1665, 23.0169,
20.8892


 31.1665, 23.0169,
20.8892


299.1179,
267.8118, 269.4507


 20.8781, 14.6060,
12.8526


 60.8762, 48.4211,
45.7815


 13.1469, 8.5433,
7.1976


 81.0282, 66.1831,
63.4742

 7.6075, 4.4445,
3.5057


 105.1988, 87.8310,
85.2227

 3.8945, 1.9252,
1.3583

 133.7533,
113.7491, 111.4455

 1.6426, 0.5635,
0.1088

167.0571,
144.3219, 142.5612

 0.4199, 0.0000,
0.0000

205.4756,

 0.0000, 0.0000,

179.9336, 178.9882

0.0000

249.3740,
220.9688, 221.1452

■ 31.1665, 23.0169,
20.8892

■ 31.1665, 23.0169,
20.8892

■ 28.5178, 19.1600,
15.5656

■ 34.4372, 27.8580,
27.2214

■ 26.4491, 16.2161,
11.1965

■ 38.3647, 33.7411,
34.6099

■ 24.9159, 14.1102,
7.7247


■ 42.9833, 40.7235,
43.1006


■ 23.8663, 12.7535,
5.0857


■ 48.3244, 48.8574,
52.7366


■ 23.2322, 12.0270,
3.2044

■ 54.4173, 58.1917,
63.5585

 23.0866, 11.8644,
2.7591

 61.2899, 68.7725,
75.6048

 68.9685, 80.6432,
88.9126

 75.5979, 90.0850,
102.8903

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



30.7532, 23.0169, 33.8607



31.1665, 23.0169, 20.8892



28.8535, 23.0169, 12.4731

Triad

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



31.1665, 23.0169, 20.8892



16.8687, 23.0169, 10.9301



19.2222, 23.0169, 55.1286

Complementary

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



31.1665, 23.0169, 20.8892



33.5868, 45.6782, 49.6971

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.



16.1266, 23.0169, 44.1254



31.1665, 23.0169, 20.8892



14.8975, 23.0169, 17.9363

Square

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



31.1665, 23.0169, 20.8892



20.3669, 23.0169, 8.1250



14.6452, 23.0169, 29.7553



23.4597, 23.0169, 56.7323

Rectangle

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



31.1665, 23.0169, 20.8892



26.2359, 23.0169, 9.4460



14.6452, 23.0169, 29.7553



18.0296, 23.0169, 52.2689

Sweetspot

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



31.1671, 23.0181, 20.8896



80.3629, 77.5649, 82.6121



33.1834, 23.3052, 54.9740



16.7683, 15.9446, 16.8970



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.



31.1671, 23.0181, 20.8896



51.6859, 34.7444, 28.2480



33.4616, 29.1307, 16.9574



10.1475, 10.1076, 10.8674



14.8578, 7.6329, 1.8971



0.6656, 0.3392, 0.2063

Inverse Universe

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



31.1671, 23.0181, 20.8896



51.6859, 34.7444, 28.2480



29.7503, 35.0828, 57.4283



10.1475, 10.1076, 10.8674



14.8578, 7.6329, 1.8971



0.6656, 0.3392, 0.2063

Previews

White Background



This preview shows how the XYZ color 31.1665, 23.0169, 20.8892 looks on a white background.

Color Contrast Check

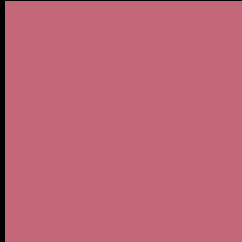
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1665, 23.0169, 20.8892 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 31.1665, 23.0169, 20.8892

Background



This preview shows how black text looks on a background with the XYZ color 31.1665, 23.0169, 20.8892.



This preview shows how white text looks on a background with the XYZ color 31.1665, 23.0169,

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

31.1665, 23.0169, 20.8892

Protanopia

22.5267, 23.3484, 26.6120

Deuteranopia

23.6926, 23.3020, 20.0786



Tritanopia

30.5379, 22.8975, 18.4329

Trichromacy



Original Color

31.1665, 23.0169, 20.8892

Protanomaly

24.9609, 22.7259, 24.5437

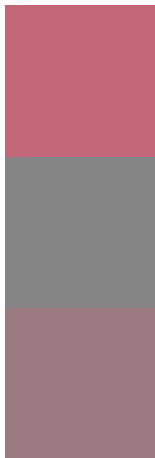
Deuteranomaly

25.8032, 22.7171, 20.1644

Tritanomaly

30.7096, 22.9662, 19.3373

Monochromacy



Original Color

31.1665, 23.0169, 20.8892

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.6323, 22.5720, 23.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1665, 23.0169, 20.8892 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, 104, 121)` looks like.

```
.text, #text, p{  
    color:rgb(196, 104, 121)  
}
```

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, 104, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 104, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.1665, 23.0169, 20.8892 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, 104, 121) }
```


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

```
.border{ border-color:rgb(196, 104, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 104, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 104, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 104, 121);  
box-shadow:4px 4px 4px 4px rgb(196, 104,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1665, 23.0169, 20.8892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 104, 121) }
```

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

```
.background{ background-color: rgb(196,  
104, 121) }
```

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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