

Converting Colors

XYZ(31.5138, 23.7197, 15.9745)

Have a look what the booklet for
XYZ(31.5138, 23.7197, 15.9745)
contains.

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Color

**XYZ(31.5758, 23.7942,
16.0252)**

Conversions

Conversions Part 1

Format	Color
Hex	C86B68
RGB	200, 107, 104
RGB Percent	78%, 42%, 41%
CMY	0.2157, 0.5804, 0.5922
CMYK	0.00, 0.46, 0.48, 0.22
HSL	2°, 47%, 60%
HSV	2°, 48%, 78%
XYZ	31.5758, 23.7942, 16.0252
YIQ	134.4650, 56.3910, 18.7830

Conversions

Conversions Part 2

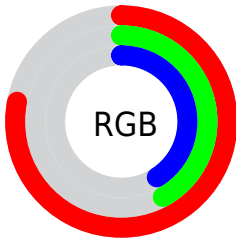
Format	Color
R _Y B	200, 107, 104
Decimal	13134696
CIE Lab	55.88, 36.46, 18.34
CIE LCh	56, 40.811, 26.701
Yxy	23.7942, 0.4423, 0.3333
Android (android.graphics.Color)	4291324776 (0xFFC86B68)
YUV	134.4650, -15.0192, 57.4742
Hunter-Lab	48.7793, 30.1828, 14.6673

Details

The XYZ color **31.5758, 23.7942, 16.0252** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.0994, 47.0434, 61.8211**, and the grayscale version is **22.8709, 24.0620, 26.2035**.

A 20% lighter version of the original color is **59.7272, 48.7682, 37.2756**, and **13.3570, 8.9724, 4.8988** is the 20% darker color. If you saturate the color by 10%, you get **28.8792, 19.8386, 10.6948**, and if you desaturate by 10%, it is **34.9670, 28.7536, 22.7761**.

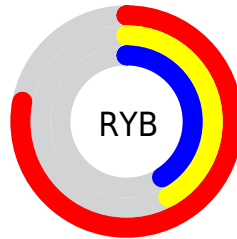
Distribution



Red (78%)

Green (42%)

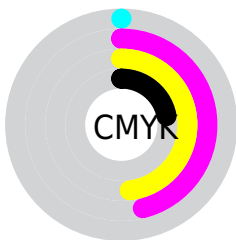
Blue (41%)



Red (78%)

Yellow (42%)

Blue (41%)

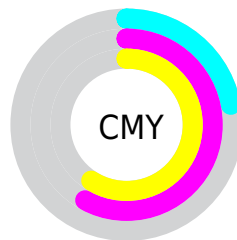


Cyan (0%)

Magenta (46%)

Yellow (48%)

Black (22%)



Cyan (22%)


Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5758, 23.7942, 16.0252 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 31.5758, 23.7942, 16.0252 by changing the saturation by 10% instead.

 31.5758, 23.7942,
16.0252


 31.5758, 23.7942,
16.0252

300.9621,
271.7784, 241.3412


 21.1917, 15.1810,
9.3874


 61.5152, 49.6942,
37.4093


 13.3774, 8.9465,
4.8945


 81.8011, 67.7497,
52.9928

 7.7677, 4.7063,
2.1278


 106.1184, 89.7216,
72.3953

 3.9972, 2.0760,
0.6323

 134.8324,
115.9940, 96.0352

 1.7006, 0.6511,
0.0000

168.3084,
146.9516, 124.3313

 0.4566, 0.0000,
0.0000

206.9117,

 0.0000, 0.0000,

182.9785, 157.7019

0.0000

251.0078,
224.4593, 196.5657

■ 31.5758, 23.7942,
16.0252

■ 31.5758, 23.7942,
16.0252

■ 28.8792, 19.8386,
10.6948

■ 34.9670, 28.7536,
22.7761

■ 26.8276, 16.8150,
6.6823

■ 39.0944, 34.7749,
31.0376

■ 25.3675, 14.6481,
3.8733


■ 43.9984, 41.9160,
40.8940


■ 24.4362, 13.2492,
2.1336


■ 49.7160, 50.2298,
52.4228


■ 23.9513, 12.5081,
1.2668

■ 56.2818, 59.7656,
65.6967

 23.8873, 12.4152,
1.1374

 63.7284, 70.5699,
80.7840

 72.0866, 82.6870,
97.7493

 77.6294, 91.0193,
108.0847

Harmonies

Analogous

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



32.7623, 23.7942, 27.4088



31.5758, 23.7942, 16.0252



27.8854, 23.7942, 9.8634

Triad

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



31.5758, 23.7942, 16.0252



15.9383, 23.7942, 14.2436



22.1053, 23.7942, 60.7805

Complementary

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



31.5758, 23.7942, 16.0252



36.0994, 47.0434, 61.8211

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.



18.0556, 23.7942, 53.7279



31.5758, 23.7942, 16.0252



14.8155, 23.7942, 24.4627

Square

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



31.5758, 23.7942, 16.0252



18.8331, 23.7942, 9.1097



15.5345, 23.7942, 39.1938



26.8736, 23.7942, 56.1589

Rectangle

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



31.5758, 23.7942, 16.0252



24.7344, 23.7942, 8.1294



15.5345, 23.7942, 39.1938



20.6216, 23.7942, 59.6506

Sweetspot

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



31.5764, 23.7954, 16.0256



79.7686, 77.7961, 78.0370



39.0090, 26.2758, 56.6839



16.6256, 15.9996, 15.8000



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.



31.5764, 23.7954, 16.0256



49.6635, 33.8524, 17.8541



37.8078, 36.2583, 18.1028



10.6600, 10.6892, 11.0641



15.2007, 7.9186, 0.7273



0.7293, 0.3940, 0.0376

Inverse Universe

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



36.0994, 47.0434, 61.8211



58.4263, 78.9537, 106.7679



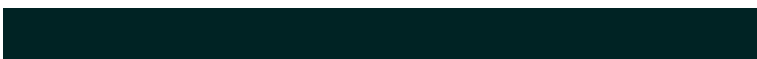
27.1047, 29.0539, 58.8229



10.9172, 12.0084, 13.6599



18.8713, 27.1365, 38.9876



0.9027, 1.3032, 1.8491

Previews

White Background



This preview shows how the XYZ color 31.5758, 23.7942, 16.0252 looks on a white background.

Color Contrast Check

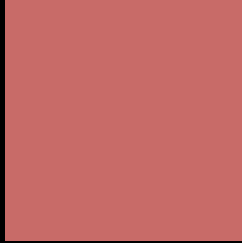
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5758, 23.7942, 16.0252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

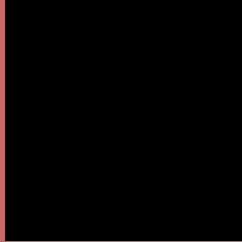
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5758, 23.7942, 16.0252

Background



This preview shows how black text looks on a background with the XYZ color 31.5758, 23.7942, 16.0252.



This preview shows how white text looks on a background with the XYZ color 31.5758, 23.7942,

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

31.5758, 23.7942, 16.0252

Protanopia

22.7205, 23.9973, 20.2641

Deuteranopia

24.4486, 23.9915, 15.3988



Tritanopia

32.2221, 23.9178, 18.5411

Trichromacy



Original Color

31.5758, 23.7942, 16.0252

Protanomaly

25.0326, 23.2665, 18.5008

Deuteranomaly

26.6419, 23.6130, 15.4655

Tritanomaly

32.0559, 23.8514, 17.6661

Monochromacy



Original Color

31.5758, 23.7942, 16.0252

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.8834, 23.1145, 21.8889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5758, 23.7942, 16.0252 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(200, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(200, 107, 104)  
}
```

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(200, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 107, 104) }
```

Border

The CSS property to change the border of an element to XYZ 31.5758, 23.7942, 16.0252 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(200, 107, 104) }
```


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

```
.border{ border-color:rgb(200, 107, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 107, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(200, 107,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5758, 23.7942, 16.0252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 107, 104) }
```

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

```
.background{ background-color: rgb(200,  
107, 104) }
```

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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