

Converting Colors

XYZ(31.7493, 21.0097, 20.0548)

Have a look what the booklet for
XYZ(31.7493, 21.0097, 20.0548)
contains.

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Color

**XYZ(31.7002, 21.0098,
20.1538)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5778
RGB	204, 87, 120
RGB Percent	80%, 34%, 47%
CMY	0.2000, 0.6588, 0.5294
CMYK	0.00, 0.57, 0.41, 0.20
HSL	343°, 53%, 57%
HSV	343°, 57%, 80%
XYZ	31.7002, 21.0098, 20.1538
YIQ	125.7450, 59.1390, 35.0670

Conversions

Conversions Part 2

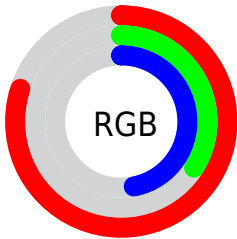
Format	Color
RYB	204, 87, 120
Decimal	13391736
CIELab	52.96, 49.50, 4.92
CIELCh	53, 49.747, 5.672
Yxy	21.0098, 0.4351, 0.2883
Android (android.graphics.Color)	4291581816 (0xFFCC5778)
YUV	125.7450, -2.8323, 68.6296
Hunter-Lab	45.8364, 43.2357, 6.0163

Details

The XYZ color **31.7002, 21.0098, 20.1538** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **32.8752, 48.1528, 46.0928**, and the grayscale version is **19.7406, 20.7687, 22.6171**.

A 20% lighter version of the original color is **58.2113, 43.2883, 44.3171**, and **13.5137, 7.5588, 6.8776** is the 20% darker color. If you saturate the color by 10%, you get **29.4537, 17.8323, 15.3497**, and if you desaturate by 10%, it is **34.5504, 25.1771, 25.8304**.

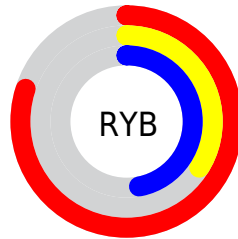
Distribution



Red (80%)

Green (34%)

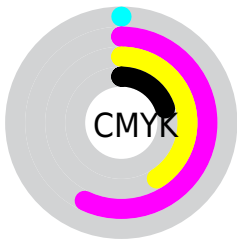
Blue (47%)



Red (80%)

Yellow (34%)

Blue (47%)

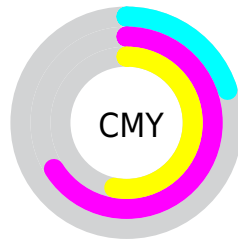


Cyan (0%)

Magenta (57%)

Yellow (41%)

Black (20%)



Cyan (20%)

Magenta (66%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7002, 21.0098, 20.1538 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 31.7002, 21.0098, 20.1538 by changing the saturation by 10% instead.

■ 31.7002, 21.0098,
20.1538

■ 31.7002, 21.0098,
20.1538

301.5209,
257.3306, 265.3782

■ 21.2870, 13.1312,
12.3217

■ 61.7092, 45.1038,
44.5372

■ 13.4476, 7.5189,
6.8380

■ 82.0357, 62.0880,
61.9257

■ 7.8166, 3.7887,
3.2841

■ 106.3974, 82.8762,
83.3366

■ 4.0287, 1.5561,
1.2414

■ 135.1596,
107.8528, 109.1887

■ 1.7184, 0.3277,
0.0131

168.6877,
137.4021, 139.9003

■ 0.4677, 0.0000,
0.0000

207.3471,

■ 0.0000, 0.0000,

171.9086, 175.8901

0.0000

251.5030,
211.7566, 217.5765

■ 31.7002, 21.0098,
20.1538

■ 31.7002, 21.0098,
20.1538

■ 29.4537, 17.8323,
15.3497

■ 34.5504, 25.1771,
25.8304

■ 27.7626, 15.5578,
11.3711

■ 38.0442, 30.4046,
32.4207

■ 26.5736, 14.0903,
8.1675

■ 42.2197, 36.7603,
39.9643

■ 25.8140, 13.2961,
5.6793

■ 47.1118, 44.3052,
48.4984

■ 25.6537, 13.1381,
5.1245

■ 52.7527, 53.0961,
58.0578

■ 59.1728, 63.1863,
68.6758

■ 66.4007, 74.6257,
80.3839

■ 74.4634, 87.4617,
93.2125

■ 78.2044, 91.3744,
105.4632

Harmonies

Analogous

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



30.5692, 21.0098, 36.8613



31.7002, 21.0098, 20.1538



29.2717, 21.0098, 9.8847

Triad

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



31.7002, 21.0098, 20.1538



14.6745, 21.0098, 6.5798



16.1170, 21.0098, 60.2838

Complementary

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



31.7002, 21.0098, 20.1538



32.8752, 48.1528, 46.0928

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.



12.8814, 21.0098, 44.0387



31.7002, 21.0098, 20.1538



12.1557, 21.0098, 12.9688

Square

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



31.7002, 21.0098, 20.1538



18.9945, 21.0098, 4.5481



11.5614, 21.0098, 25.8331



20.9766, 21.0098, 64.9979

Rectangle

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



31.7002, 21.0098, 20.1538



26.1737, 21.0098, 6.4129



11.5614, 21.0098, 25.8331



14.8320, 21.0098, 55.7264

Sweetspot

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



31.7008, 21.0109, 20.1542



78.1337, 73.5472, 80.5104



31.0701, 19.8184, 59.3145



16.3491, 15.1615, 16.5869



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.



31.7008, 21.0109, 20.1542



47.9802, 28.4354, 23.6140



32.4558, 25.1925, 12.1703



11.3402, 11.2648, 12.3262



16.1815, 8.2832, 3.4083



0.8678, 0.4405, 0.3495

Inverse Universe

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



31.7008, 21.0109, 20.1542



47.9802, 28.4354, 23.6140



30.8805, 38.4868, 62.9279



11.3402, 11.2648, 12.3262



16.1815, 8.2832, 3.4083



0.8678, 0.4405, 0.3495

Previews

White Background



This preview shows how the XYZ color 31.7002, 21.0098, 20.1538 looks on a white background.

Color Contrast Check

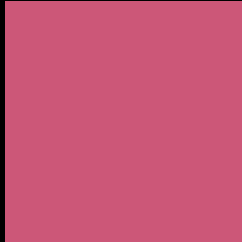
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7002, 21.0098, 20.1538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

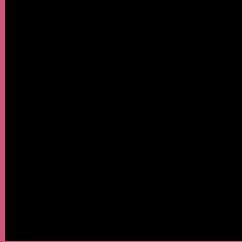
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7002, 21.0098, 20.1538

Background



This preview shows how black text looks on a background with the XYZ color 31.7002, 21.0098, 20.1538.



This preview shows how white text looks on a background with the XYZ color 31.7002, 21.0098,

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

31.7002, 21.0098, 20.1538

Protanopia

20.8762, 21.2649, 28.9908

Deuteranopia

21.4984, 21.0633, 18.8521



Tritanopia

30.2559, 20.9018, 13.7491

Trichromacy



Original Color

31.7002, 21.0098, 20.1538

Protanomaly

23.4938, 20.2076, 25.5839

Deuteranomaly

24.3469, 20.3052, 19.1591

Tritanomaly

30.8346, 21.0288, 15.7984

Monochromacy



Original Color

31.7002, 21.0098, 20.1538

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.7587, 19.9136, 21.7130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7002, 21.0098, 20.1538 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, 87, 120)` looks like.

```
.text, #text, p{  
    color:rgb(204, 87, 120)  
}
```

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, 87, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 87, 120) }
```

Border

The CSS property to change the border of an element to XYZ 31.7002, 21.0098, 20.1538 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, 87, 120) }
```


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

```
.border{ border-color:rgb(204, 87, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 87, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 87, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 87, 120);  
box-shadow:4px 4px 4px 4px rgb(204, 87,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7002, 21.0098, 20.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 87, 120) }
```

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

```
.background{ background-color: rgb(204, 87,  
120) }
```

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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