

Converting Colors

XYZ(31.2504, 18.7801, 20.0670)

Have a look what the booklet for
XYZ(31.2504, 18.7801, 20.0670)
contains.

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Color

**XYZ(31.2504, 18.7801,
20.0670)**

Conversions

Conversions Part 1

Format	Color
Hex	CF4479
RGB	207, 68, 121
RGB Percent	81%, 27%, 47%
CMY	0.1882, 0.7333, 0.5255
CMYK	0.00, 0.67, 0.42, 0.19
HSL	337°, 59%, 54%
HSV	337°, 67%, 81%
XYZ	31.2504, 18.7801, 20.0670
YIQ	115.6030, 65.8310, 45.9510

Conversions

Conversions Part 2

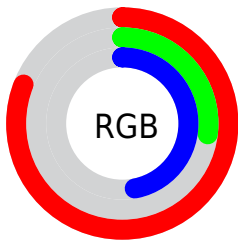
Format	Color
R_{YB}	207, 68, 121
Decimal	13583481
CIE _{Lab}	50.43, 58.77, 0.72
CIE _{LCh}	50, 58.771, 0.698
Yxy	18.7801, 0.4458, 0.2679
Android (android.graphics.Color)	4291773561 (0xFFCF4479)
YUV	115.6030, 2.6607, 80.1552
Hunter-Lab	43.3360, 52.8816, 2.8806

Details

The XYZ color **31.2504, 18.7801, 20.0670** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **30.5306, 48.1881, 38.2674**, and the grayscale version is **16.4581, 17.3152, 18.8563**.

A 20% lighter version of the original color is **55.9905, 38.6924, 44.0525**, and **13.4153, 6.7769, 6.9043** is the 20% darker color. If you saturate the color by 10%, you get **29.4780, 16.4100, 15.8549**, and if you desaturate by 10%, it is **33.5699, 22.0776, 24.9763**.

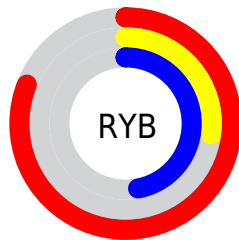
Distribution



Red (81%)

Green (27%)

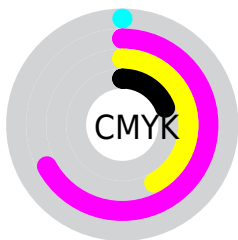
Blue (47%)



Red (81%)

Yellow (27%)

Blue (47%)

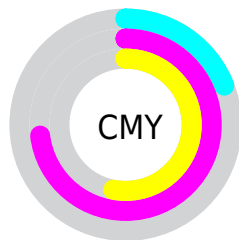


Cyan (0%)

Magenta (67%)

Yellow (42%)

Black (19%)



Cyan (19%)


Magenta (73%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2504, 18.7801, 20.0670 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 31.2504, 18.7801, 20.0670 by changing the saturation by 10% instead.


 31.2504, 18.7801,
20.0670


 31.2504, 18.7801,
20.0670


299.4966,
245.2321, 264.8938


 20.9424, 11.5115,
12.2592


 61.0073, 41.3622,
44.3899


 13.1941, 6.4120,
6.7958


 81.1868, 57.4445,
61.7421


 7.6403, 3.0972,
3.2582


 105.3875, 77.2334,
83.1129

 3.9155, 1.1827,
1.2279

 133.9748,
101.1134, 108.9207

 1.6544, 0.0475,
0.0016

 167.3140,
129.4689, 139.5842

 0.4275, 0.0000,
0.0000

205.7704,

 0.0000, 0.0000,

162.6842, 175.5219

0.0000

249.7095,
201.1438, 217.1522

■ 31.2504, 18.7801,
20.0670

■ 31.2504, 18.7801,
20.0670

■ 29.4780, 16.4100,
15.8549

■ 33.5699, 22.0776,
24.9763

■ 28.1982, 14.8646,
12.3013

■ 36.4808, 26.3845,
30.6161

■ 27.3412, 14.0116,
9.3617

■ 40.0240, 31.7774,
37.0183

■ 27.1405, 13.8287,
8.6208

■ 44.2366, 38.3244,
44.2125

■ 49.1523, 46.0881,
52.2263

■ 54.8030, 55.1264,
61.0861

■ 61.2180, 65.4936,
70.8169

■ 68.4254, 77.2410,
81.4427

■ 76.4516, 90.4167,
92.9865

Harmonies

Analogous

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



29.2530, 18.7801, 40.0467



31.2504, 18.7801, 20.0670



29.0671, 18.7801, 8.2203

Triad

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



31.2504, 18.7801, 20.0670



12.8061, 18.7801, 3.5675



12.9930, 18.7801, 62.0152

Complementary

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



31.2504, 18.7801, 20.0670



30.5306, 48.1881, 38.2674

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.



9.9688, 18.7801, 41.0961



31.2504, 18.7801, 20.0670



9.8782, 18.7801, 8.5877

Square

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



31.2504, 18.7801, 20.0670



17.7163, 18.7801, 2.3604



8.9608, 18.7801, 20.8345



17.9842, 18.7801, 70.8367

Rectangle

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



31.2504, 18.7801, 20.0670



25.7562, 18.7801, 4.4817



8.9608, 18.7801, 20.8345



11.7539, 18.7801, 55.7594

Sweetspot

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



31.2509, 18.7811, 20.0673



76.2122, 69.7974, 79.5820



26.6032, 15.4828, 60.6177



15.8296, 14.1762, 16.2480



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.



31.2509, 18.7811, 20.0673



46.1592, 24.9484, 22.5296



29.9635, 20.0583, 7.7626



11.9926, 11.8818, 13.2367



17.1426, 8.7299, 5.6568



0.9967, 0.5034, 0.5176

Inverse Universe

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



31.2509, 18.7811, 20.0673



46.1592, 24.9484, 22.5296



32.2307, 42.9017, 65.6135



11.9926, 11.8818, 13.2367



17.1426, 8.7299, 5.6568



0.9967, 0.5034, 0.5176

Previews

White Background



This preview shows how the XYZ color 31.2504, 18.7801, 20.0670 looks on a white background.

Color Contrast Check

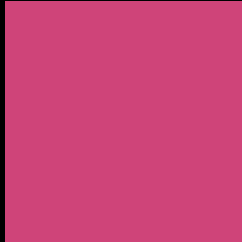
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2504, 18.7801, 20.0670 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 31.2504, 18.7801, 20.0670

Background



This preview shows how black text looks on a background with the XYZ color 31.2504, 18.7801, 20.0670.



This preview shows how white text looks on a background with the XYZ color 31.2504, 18.7801,

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

31.2504, 18.7801, 20.0670

Protanopia

19.0744, 18.9714, 32.3623

Deuteranopia

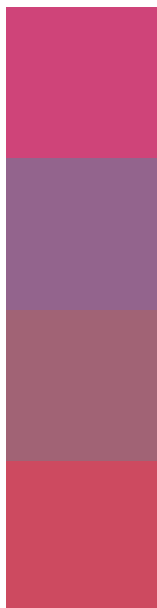
19.2743, 18.8566, 18.5434



Tritanopia

29.0787, 18.7543, 10.0700

Trichromacy



Original Color

31.2504, 18.7801, 20.0670

Protanomaly

21.3975, 17.2405, 27.3993

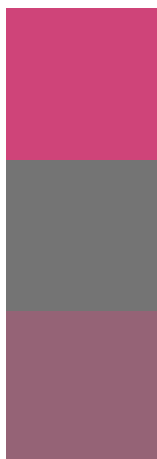
Deuteranomaly

22.3707, 17.7851, 19.0834

Tritanomaly

29.7369, 18.7212, 13.1126

Monochromacy



Original Color

31.2504, 18.7801, 20.0670

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.1263, 16.6212, 19.2870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2504, 18.7801, 20.0670 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(207, 68, 121)` looks like.

```
.text, #text, p{  
    color:rgb(207, 68, 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(207, 68, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 68, 121) }
```

Border

The CSS property to change the border of an element to XYZ 31.2504, 18.7801, 20.0670 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(207, 68, 121) }
```


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

```
.border{ border-color:rgb(207, 68, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 68, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 68, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 68, 121);  
box-shadow:4px 4px 4px 4px rgb(207, 68,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2504, 18.7801, 20.0670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 68, 121) }
```

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

```
.background{ background-color: rgb(207, 68,  
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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