

Converting Colors

XYZ(23.0843, 17.2820, 20.5282)

Have a look what the booklet for
XYZ(23.0843, 17.2820, 20.5282)
contains.

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Color

**XYZ(23.1531, 17.3408,
20.5392)**

Conversions

Conversions Part 1

Format	Color
Hex	A65D7A
RGB	166, 93, 122
RGB Percent	65%, 36%, 48%
CMY	0.3490, 0.6353, 0.5216
CMYK	0.00, 0.44, 0.27, 0.35
HSL	336°, 29%, 51%
HSV	336°, 44%, 65%
XYZ	23.1531, 17.3408, 20.5392
YIQ	118.1330, 34.1990, 24.4950

Conversions

Conversions Part 2

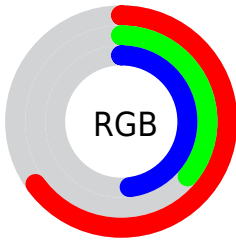
Format	Color
R_{YB}	166, 93, 122
Decimal	10902906
CIE _{Lab}	48.69, 33.45, -3.17
CIE _{LCh}	49, 33.596, 354.580
Yxy	17.3408, 0.3794, 0.2841
Android (android.graphics.Color)	4289092986 (0xFFA65D7A)
YUV	118.1330, 1.9064, 41.9794
Hunter-Lab	41.6423, 26.3720, -0.0940

Details

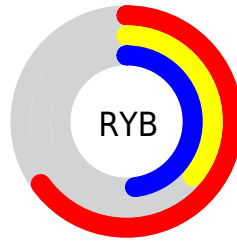
The XYZ color **23.1531, 17.3408, 20.5392** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.6666, 31.4062, 28.5357**, and the grayscale version is **17.2487, 18.1470, 19.7621**.

A 20% lighter version of the original color is **48.1968, 38.9948, 45.0309**, and **8.7854, 5.7271, 6.9457** is the 20% darker color. If you saturate the color by 10%, you get **21.2627, 14.5015, 17.0061**, and if you desaturate by 10%, it is **25.4246, 20.8398, 24.5147**.

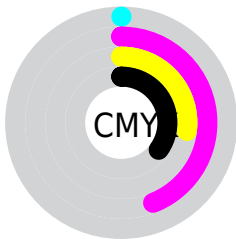
Distribution



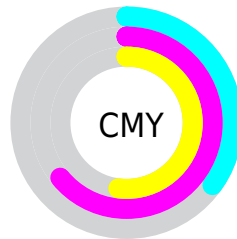
- Red (65%)
- Green (36%)
- Blue (48%)



- Red (65%)
- Yellow (36%)
- Blue (48%)



- Cyan (0%)
- Magenta (44%)
- Yellow (27%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1531, 17.3408, 20.5392 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 23.1531, 17.3408, 20.5392 by changing the saturation by 10% instead.


 23.1531, 17.3408,
20.5392

 23.1531, 17.3408,
20.5392

261.0310,
237.1287, 267.5195


 14.8279, 10.4778,
12.5996


 48.1094, 38.9108,
45.1902

 8.7842, 5.7169,
7.0260


 65.4712, 54.3866,
62.7386

 4.6567, 2.6737,
3.3997

 86.5760, 73.5020,
84.3272

 2.0799, 0.9639,
1.3021

 111.7890, 96.6416,
110.3743

 0.6783, 0.0000,
0.0635

141.4757,
124.1897, 141.2985

 0.0000, 0.0000,
0.0000

176.0013,

156.5306, 177.5185

215.7313,
194.0488, 219.4526

■ 23.1531, 17.3408,
20.5392

■ 23.1531, 17.3408,
20.5392

■ 21.2627, 14.5015,
17.0061

■ 25.4246, 20.8398,
24.5147

■ 19.7293, 12.2774,
13.8974

■ 28.0964, 25.0344,
28.9475

■ 18.5283, 10.6221,
11.1950

■ 31.1881, 29.9609,
33.8530

■ 17.6310, 9.4817,
8.8789

■ 34.7175, 35.6521,
39.2456

■ 17.0033, 8.7917,
6.9267

■ 38.7015, 42.1392,
45.1390

■ 16.7076, 8.4997,
5.9051

■ 43.1559, 49.4512,
51.5462

■ 48.0958, 57.6160,
58.4799

■ 53.5356, 66.6601,
65.9522

■ 59.4892, 76.6086,
73.9748

Harmonies

Analogous

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



21.8295, 17.3408, 30.5973



23.1531, 17.3408, 20.5392



22.5153, 17.3408, 12.6358

Triad

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



23.1531, 17.3408, 20.5392



14.1258, 17.3408, 7.2269



13.2644, 17.3408, 36.4790

Complementary

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



23.1531, 17.3408, 20.5392



22.6666, 31.4062, 28.5357

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.



11.6359, 17.3408, 26.9052



23.1531, 17.3408, 20.5392



12.0878, 17.3408, 10.6181

Square

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



23.1531, 17.3408, 20.5392



17.0511, 17.3408, 6.4794



11.2337, 17.3408, 17.3149



15.9255, 17.3408, 41.4712

Rectangle

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



23.1531, 17.3408, 20.5392



21.1002, 17.3408, 9.2584



11.2337, 17.3408, 17.3149



12.5921, 17.3408, 33.5685

Sweetspot

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



23.1536, 17.3416, 20.5395



57.0447, 55.0841, 62.1257



21.0818, 15.8843, 38.0314



12.4790, 11.8675, 13.4562



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1536, 17.3416, 20.5395



38.5861, 26.3136, 30.8576



22.2883, 18.0702, 12.6701



7.6499, 7.5898, 8.4738



12.9776, 6.5998, 4.6937



0.3411, 0.1707, 0.2477

Inverse Universe

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



23.1536, 17.3416, 20.5395



38.5861, 26.3136, 30.8576



23.7443, 29.7741, 40.5721



7.6499, 7.5898, 8.4738



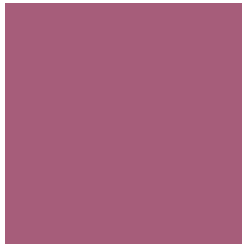
12.9776, 6.5998, 4.6937



0.3411, 0.1707, 0.2477

Previews

White Background



This preview shows how the XYZ color 23.1531, 17.3408, 20.5392 looks on a white background.

Color Contrast Check

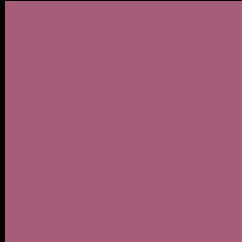
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.1531, 17.3408, 20.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

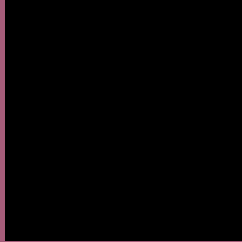
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1531, 17.3408, 20.5392

Background



This preview shows how black text looks on a background with the XYZ color 23.1531, 17.3408, 20.5392.



This preview shows how white text looks on a background with the XYZ color 23.1531, 17.3408,

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

23.1531, 17.3408, 20.5392

Protanopia

17.2568, 17.4838, 25.7577

Deuteranopia

17.8391, 17.5778, 19.9054



Tritanopia

21.9914, 17.2577, 15.2687

Trichromacy



Original Color

23.1531, 17.3408, 20.5392

Protanomaly

18.8701, 17.0596, 23.7710

Deuteranomaly

19.5287, 17.3269, 20.0844

Tritanomaly

22.4785, 17.3314, 17.1995

Monochromacy



Original Color

23.1531, 17.3408, 20.5392

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.7901, 17.4201, 19.8248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1531, 17.3408, 20.5392 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(166, 93, 122)` looks like.

```
.text, #text, p{  
    color:rgb(166, 93, 122)  
}
```

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(166, 93, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 93, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.1531, 17.3408, 20.5392 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(166, 93, 122) }
```


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

```
.border{ border-color:rgb(166, 93, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 93, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 93, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 93, 122);  
box-shadow:4px 4px 4px 4px rgb(166, 93,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1531, 17.3408, 20.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 93, 122) }
```

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

```
.background{ background-color: rgb(166, 93,  
122) }
```

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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