

Converting Colors

XYZ(18.3106, 10.2065, 12.1317)

Have a look what the booklet for
XYZ(18.3106, 10.2065, 12.1317)
contains.

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Color

**XYZ(18.3215, 10.2301,
12.0753)**

Conversions

Conversions Part 1

Format	Color
Hex	A52660
RGB	165, 38, 96
RGB Percent	65%, 15%, 38%
CMY	0.3529, 0.8509, 0.6235
CMYK	0.00, 0.77, 0.42, 0.35
HSL	333°, 63%, 40%
HSV	333°, 77%, 65%
XYZ	18.3215, 10.2301, 12.0753
YIQ	82.5850, 57.0740, 44.9620

Conversions

Conversions Part 2

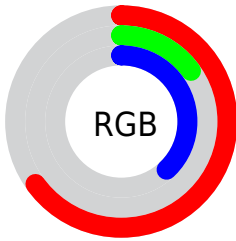
Format	Color
R_{YB}	165, 38, 96
Decimal	10823264
CIE Lab	38.25, 54.99, -2.55
CIE LCh	38, 55.044, 357.344
Yxy	10.2301, 0.4510, 0.2518
Android (android.graphics.Color)	4289013344 (0xFFA52660)
YUV	82.5850, 6.6136, 72.2780
Hunter-Lab	31.9845, 46.2761, 0.0051

Details

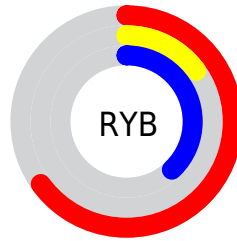
The XYZ color **18.3215, 10.2301, 12.0753** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **16.9091, 28.3842, 18.4998**, and the grayscale version is **8.1176, 8.5403, 9.3004**.

A 20% lighter version of the original color is **40.1116, 26.2884, 30.1542**, and **6.7601, 3.4184, 3.3211** is the 20% darker color. If you saturate the color by 10%, you get **17.5164, 9.2433, 9.8853**, and if you desaturate by 10%, it is **19.4081, 11.7045, 14.5916**.

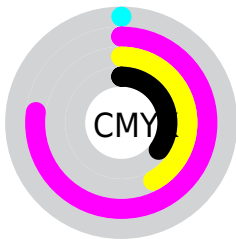
Distribution



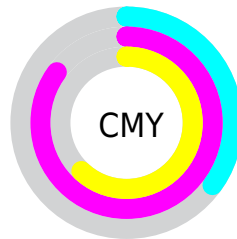
- Red (65%)
- Green (15%)
- Blue (38%)



- Red (65%)
- Yellow (15%)
- Blue (38%)



- Cyan (0%)
- Magenta (77%)
- Yellow (42%)
- Black (35%)





- Cyan (35%)
- Magenta (85%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3215, 10.2301, 12.0753 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 18.3215, 10.2301, 12.0753 by changing the saturation by 10% instead.

 18.3215, 10.2301,
12.0753


 18.3215, 10.2301,
12.0753


235.6877,
192.3065, 215.8987


 11.2821, 5.5518,
6.6718


 40.1102, 26.2274,
30.2986


 6.3256, 2.5745,
3.1824


 55.5902, 38.3152,
43.9555

 3.0866, 0.9139,
1.1885

 74.6146, 53.6416,
61.2007

 1.1997, 0.0000,
0.0000

 97.5485, 72.5910,
82.4526

 0.1062, 0.0000,
0.0000

 124.7574, 95.5478,
108.1298

 0.0000, 0.0000,
0.0000

 156.6067,

122.8964, 138.6509

193.4617,
155.0212, 174.4343

■ 18.3215, 10.2301,
12.0753

■ 18.3215, 10.2301,
12.0753

■ 17.5164, 9.2433,
9.8853

■ 19.4081, 11.7045,
14.5916

■ 16.9491, 8.6591,
7.9990

■ 20.8042, 13.7203,
17.4507

■ 16.7990, 8.5121,
7.4769

■ 22.5352, 16.3259,
20.6682

■ 24.6236, 19.5639,
24.2584

■ 27.0897, 23.4730,
28.2345

■ 29.9522, 28.0885,
32.6091

■ 33.2287, 33.4435,
37.3941

■ 36.9354, 39.5690,
42.6008

■ 41.0880, 46.4939,
48.2401

Harmonies

Analogous

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



16.7256, 10.2301, 25.4759



18.3215, 10.2301, 12.0753



17.1866, 10.2301, 4.3279

Triad

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



18.3215, 10.2301, 12.0753



6.8982, 10.2301, 1.2111



6.4690, 10.2301, 37.2521

Complementary

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



18.3215, 10.2301, 12.0753



16.9091, 28.3842, 18.4998

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.



4.8107, 10.2301, 22.8327



18.3215, 10.2301, 12.0753



5.0125, 10.2301, 3.5406

Square

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



18.3215, 10.2301, 12.0753



10.0451, 10.2301, 0.7667



4.3508, 10.2301, 10.2521



9.4086, 10.2301, 44.5920

Rectangle

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



18.3215, 10.2301, 12.0753



15.1575, 10.2301, 2.0328



4.3508, 10.2301, 10.2521



5.7734, 10.2301, 32.7625

Sweetspot

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



18.3218, 10.2307, 12.0755



50.2491, 44.8191, 53.2589



13.3976, 7.1515, 36.2715



10.6171, 9.2074, 11.0714



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.3218, 10.2307, 12.0755



30.6530, 15.7956, 15.3781



16.7036, 9.8125, 2.8481



7.2020, 7.1372, 8.0500



12.7333, 6.4494, 5.7862



0.2913, 0.1450, 0.2467

Inverse Universe

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



18.3218, 10.2307, 12.0755



30.6530, 15.7956, 15.3781



20.2954, 28.5372, 40.0359



7.2020, 7.1372, 8.0500



12.7333, 6.4494, 5.7862



0.2913, 0.1450, 0.2467

Previews

White Background



This preview shows how the XYZ color 18.3215, 10.2301, 12.0753 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

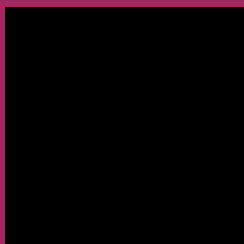
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3215, 10.2301, 12.0753

Background



This preview shows how black text looks on a background with the XYZ color 18.3215, 10.2301, 12.0753.



This preview shows how white text looks on a background with the XYZ color 18.3215, 10.2301,

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

18.3215, 10.2301, 12.0753

Protanopia

10.7769, 10.5331, 21.8872

Deuteranopia

10.7020, 10.4843, 11.1325



Tritanopia

16.6835, 10.2196, 4.4614

Trichromacy



Original Color

18.3215, 10.2301, 12.0753

Protanomaly

11.8360, 9.0824, 17.6523

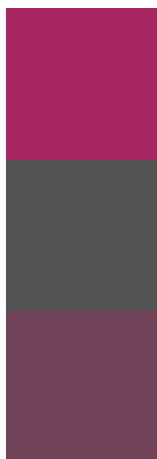
Deuteranomaly

12.4341, 9.4381, 11.2916

Tritanomaly

17.1554, 10.1702, 6.6891

Monochromacy



Original Color

18.3215, 10.2301, 12.0753

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.5787, 8.2296, 10.2634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3215, 10.2301, 12.0753 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(165, 38, 96)` looks like.

```
.text, #text, p{  
    color:rgb(165, 38, 96)  
}
```

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(165, 38, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 38, 96) }
```

Border

The CSS property to change the border of an element to XYZ 18.3215, 10.2301, 12.0753 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(165, 38, 96) }
```


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

```
.border{ border-color:rgb(165, 38, 96) }
```

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

Here you see how a box with a 4 pixel rgb(165, 38, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 38, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 38, 96);  
box-shadow:4px 4px 4px 4px rgb(165, 38,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3215, 10.2301, 12.0753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 38, 96) }
```

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

```
.background{ background-color: rgb(165, 38,  
96) }
```

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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