

Converting Colors

XYZ(16.8641, 10.3117, 5.1124)

Have a look what the booklet for
XYZ(16.8641, 10.3117, 5.1124)
contains.

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Color

**XYZ(16.8046, 10.2681,
5.0992)**

Conversions

Conversions Part 1

Format	Color
Hex	A2323A
RGB	162, 50, 58
RGB Percent	64%, 20%, 23%
CMY	0.3647, 0.8039, 0.7725
CMYK	0.00, 0.69, 0.64, 0.36
HSL	356°, 53%, 42%
HSV	356°, 69%, 64%
XYZ	16.8046, 10.2681, 5.0992
YIQ	84.4000, 64.1840, 26.2320

Conversions

Conversions Part 2

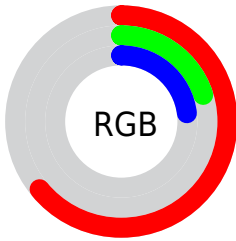
Format	Color
R_{YB}	162, 50, 58
Decimal	10629690
CIE _{Lab}	38.32, 46.49, 21.56
CIE _{LCh}	38, 51.251, 24.882
Yxy	10.2681, 0.5223, 0.3192
Android (android.graphics.Color)	4288819770 (0xFFA2323A)
YUV	84.4000, -13.0152, 68.0552
Hunter-Lab	32.0439, 37.5330, 12.9958

Details

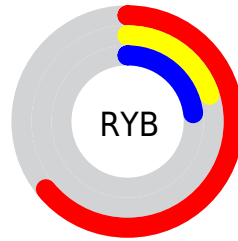
The XYZ color **16.8046, 10.2681, 5.0992** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.0693, 28.8521, 35.0862**, and the grayscale version is **8.5270, 8.9711, 9.7695**.

A 20% lighter version of the original color is **37.5243, 26.2500, 16.4536**, and **5.8024, 2.9805, 0.7597** is the 20% darker color. If you saturate the color by 10%, you get **15.9020, 8.9885, 3.1781**, and if you desaturate by 10%, it is **18.0646, 12.0837, 7.6913**.

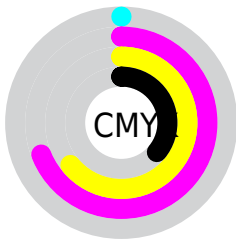
Distribution



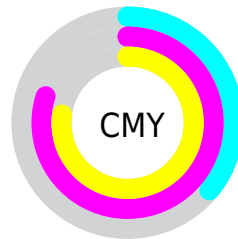
- Red (64%)
- Green (20%)
- Blue (23%)



- Red (64%)
- Yellow (20%)
- Blue (23%)



- Cyan (0%)
- Magenta (69%)
- Yellow (64%)
- Black (36%)





- Cyan (36%)
- Magenta (80%)
- Yellow (77%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8046, 10.2681, 5.0992 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 16.8046, 10.2681, 5.0992 by changing the saturation by 10% instead.


 16.8046, 10.2681,
5.0992


 16.8046, 10.2681,
5.0992


227.2221,
192.5750, 159.7552


 10.1897, 5.5771,
2.2458


 37.5358, 26.2986,
16.4745


 5.5882, 2.5897,
0.7006

 52.3828, 38.4068,
25.8336


 2.6346, 0.9215,
0.0000

 70.7046, 53.7562,
38.1983

 0.9636, 0.0000,
0.0000

 92.8664, 72.7312,
53.9872

 0.0000, 0.0000,
0.0000

 119.2338, 95.7162,
73.6187

 150.1719,

123.0956, 97.5116

186.0462,
155.2537, 126.0842

■ 16.8046, 10.2681,
5.0992

■ 16.8046, 10.2681,
5.0992

■ 15.9020, 8.9885,
3.1781

■ 18.0646, 12.0837,
7.6913

■ 15.3187, 8.1848,
1.8656

■ 19.7134, 14.4836,
11.0082

■ 14.9873, 7.7406,
1.0805

■ 21.7797, 17.5128,
15.0990

■ 14.9639, 7.7068,
1.0328

■ 24.2895, 21.2111,
20.0082

■ 27.2663, 25.6155,
25.7770

■ 30.7324, 30.7598,
32.4438

■ 34.7082, 36.6760,
40.0446

■ 39.2134, 43.3940,
48.6135

■ 44.2664, 50.9422,
58.1829

Harmonies

Analogous

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



17.6358, 10.2681, 12.8990



16.8046, 10.2681, 5.0992



13.9302, 10.2681, 1.8843

Triad

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



16.8046, 10.2681, 5.0992



5.3998, 10.2681, 3.5965



9.1988, 10.2681, 41.2369

Complementary

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



16.8046, 10.2681, 5.0992



20.0693, 28.8521, 35.0862

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.



6.5174, 10.2681, 33.9170



16.8046, 10.2681, 5.0992



4.6667, 10.2681, 9.6213

Square

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



16.8046, 10.2681, 5.0992



7.3037, 10.2681, 1.4275



5.0236, 10.2681, 20.8175



12.7120, 10.2681, 37.4657

Rectangle

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



16.8046, 10.2681, 5.0992



11.5283, 10.2681, 1.1734



5.0236, 10.2681, 20.8175



8.1816, 10.2681, 39.9096

Sweetspot

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



16.8048, 10.2687, 5.0994



48.1979, 44.5737, 44.2800



20.7365, 11.6304, 35.3341



10.4999, 9.5298, 9.3158



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.



16.8048, 10.2687, 5.0994



28.2251, 15.4234, 4.3420



19.7204, 16.4004, 5.1447



7.0933, 7.0938, 7.4779



11.7957, 6.0743, 0.8487



0.2536, 0.1299, 0.0483

Inverse Universe

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



16.8048, 10.2687, 5.0994



28.2251, 15.4234, 4.3420



14.0065, 15.6252, 36.4599



7.0933, 7.0938, 7.4779



11.7957, 6.0743, 0.8487



0.2536, 0.1299, 0.0483

Previews

White Background



This preview shows how the XYZ color 16.8046, 10.2681, 5.0992 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 16.8046, 10.2681, 5.0992 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 16.8046, 10.2681, 5.0992

Background



This preview shows how black text looks on a background with the XYZ color 16.8046, 10.2681, 5.0992.



This preview shows how white text looks on a background with the XYZ color 16.8046, 10.2681,

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

16.8046, 10.2681, 5.0992

Protanopia

9.8350, 10.4770, 8.1605

Deuteranopia

10.5836, 10.4438, 4.7069



Tritanopia

16.7267, 10.3061, 4.4758

Trichromacy



Original Color

16.8046, 10.2681, 5.0992

Protanomaly

11.4043, 9.5916, 6.8805

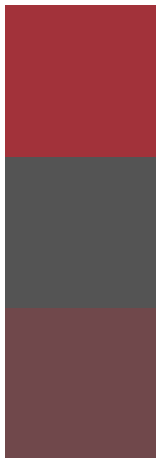
Deuteranomaly

12.3206, 9.9097, 4.7534

Tritanomaly

16.7737, 10.3249, 4.7233

Monochromacy



Original Color

16.8046, 10.2681, 5.0992

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.2695, 8.5875, 7.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8046, 10.2681, 5.0992 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(162, 50, 58)` looks like.

```
.text, #text, p{  
    color:rgb(162, 50, 58)  
}
```

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(162, 50, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 50, 58) }
```

Border

The CSS property to change the border of an element to XYZ 16.8046, 10.2681, 5.0992 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(162, 50, 58) }
```


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

```
.border{ border-color:rgb(162, 50, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 50, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 50, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 50, 58);  
box-shadow:4px 4px 4px 4px rgb(162, 50,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8046, 10.2681, 5.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 50, 58) }
```

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

```
.background{ background-color: rgb(162, 50,  
58) }
```

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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