

Converting Colors

XYZ(18.7808, 15.0350, 3.3377)

Have a look what the booklet for
XYZ(18.7808, 15.0350, 3.3377)
contains.

XYZ(18.8310, 15.1035, 3.3616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8310, 15.1035,
3.3616)**

Conversions

Conversions Part 1

Format	Color
Hex	A25A21
RGB	162, 90, 33
RGB Percent	64%, 35%, 13%
CMY	0.3647, 0.6470, 0.8706
CMYK	0.00, 0.44, 0.80, 0.36
HSL	27°, 66%, 38%
HSV	27°, 80%, 64%
XYZ	18.8310, 15.1035, 3.3616
YIQ	105.0300, 61.2090, -2.4630

Conversions

Conversions Part 2

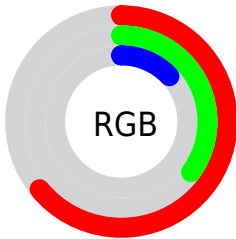
Format	Color
R_{YB}	162, 135, 33
Decimal	10639905
CIE _{Lab}	45.78, 25.21, 43.77
CIE _{LCh}	46, 50.509, 60.058
Yxy	15.1035, 0.5049, 0.4050
Android (android.graphics.Color)	4288829985 (0xFFA25A21)
YUV	105.0300, -35.5108, 49.9627
Hunter-Lab	38.8632, 18.4807, 22.0758

Details

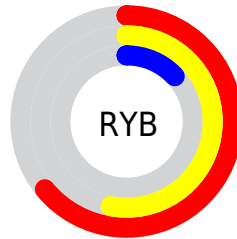
The XYZ color **18.8310, 15.1035, 3.3616** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2001, 13.0345, 36.0552**, and the grayscale version is **13.5174, 14.2213, 15.4870**.

A 20% lighter version of the original color is **40.8667, 35.0311, 12.5904**, and **6.6896, 4.7310, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **17.9396, 13.6006, 2.2019**, and if you desaturate by 10%, it is **19.9251, 16.8372, 5.1278**.

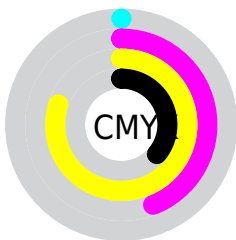
Distribution



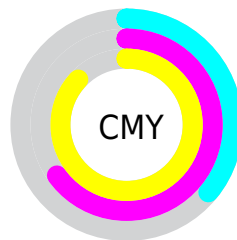
- Red (64%)
- Green (35%)
- Blue (13%)



- Red (64%)
- Yellow (53%)
- Blue (13%)



- Cyan (0%)
- Magenta (44%)
- Yellow (80%)
- Black (36%)



- Cyan (36%)
- Magenta (65%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8310, 15.1035, 3.3616 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 18.8310, 15.1035, 3.3616 by changing the saturation by 10% instead.

■ 18.8310, 15.1035,
3.3616

■ 18.8310, 15.1035,
3.3616

238.4703,
223.9918, 140.8407

■ 11.6515, 8.8921,
1.2821

■ 40.9674, 35.0346,
12.5084

■ 6.5774, 4.6708,
0.0471

■ 56.6551, 49.5231,
20.4128

■ 3.2432, 2.0555,
0.0000

■ 75.9094, 67.5394,
31.0958

■ 1.2836, 0.6394,
0.0000

■ 99.0960, 89.4679,
44.9762

■ 0.1709, 0.0000,
0.0000

■ 126.5799,
115.6930, 62.4723

■ 0.0000, 0.0000,
0.0000

■ 158.7267,

146.5991, 84.0027

195.9017,
182.5706, 109.9860

18.8310, 15.1035,
3.3616

18.8310, 15.1035,
3.3616

17.9396, 13.6006,
2.2019

19.9251, 16.8372,
5.1278

17.2159, 12.3073,
1.4855

21.2378, 18.8113,
7.5738

17.1909, 12.2628,
1.4609

22.7844, 21.0371,
10.7631

24.5781, 23.5247,
14.7515

26.6311, 26.2833,
19.5896

■ 28.9547, 29.3217,
25.3237

■ 31.5593, 32.6481,
31.9965

■ 34.4550, 36.2705,
39.6484

■ 37.6511, 40.1964,
48.3169

Harmonies

Analogous

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



22.6503, 15.1035, 7.2897



18.8310, 15.1035, 3.3616



14.3471, 15.1035, 2.3903

Triad

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



18.8310, 15.1035, 3.3616



7.6379, 15.1035, 16.4690



18.8483, 15.1035, 46.1429

Complementary

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



18.8310, 15.1035, 3.3616



12.2001, 13.0345, 36.0552

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.



14.3637, 15.1035, 52.6894



18.8310, 15.1035, 3.3616



8.3822, 15.1035, 31.1675

Square

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



18.8310, 15.1035, 3.3616



8.3764, 15.1035, 7.3137



10.6519, 15.1035, 46.1903



22.6616, 15.1035, 31.1044

Rectangle

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



18.8310, 15.1035, 3.3616



11.7319, 15.1035, 2.8045



10.6519, 15.1035, 46.1903



17.3435, 15.1035, 49.6651

Sweetspot

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



18.8313, 15.1043, 3.3619



50.4662, 50.5041, 40.7392



18.0509, 9.8119, 14.6056



11.0178, 10.9272, 8.3734



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.



18.8313, 15.1043, 3.3619



31.4882, 22.7461, 2.9739



26.6316, 30.7048, 5.9619



7.3193, 7.5770, 7.4568



13.5852, 9.7442, 1.1648



0.3323, 0.2984, 0.0401

Inverse Universe

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



12.2001, 13.0345, 36.0552



18.8885, 18.6763, 64.6655



7.9627, 4.5598, 34.6427



7.0129, 7.4848, 8.9782



8.0893, 7.9580, 28.0395



0.2161, 0.2594, 0.6045

Previews

White Background



This preview shows how the XYZ color 18.8310, 15.1035, 3.3616 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 18.8310, 15.1035, 3.3616 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 18.8310, 15.1035, 3.3616

Background



This preview shows how black text looks on a background with the XYZ color 18.8310, 15.1035, 3.3616.



This preview shows how white text looks on a background with the XYZ color 18.8310, 15.1035,

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

18.8310, 15.1035, 3.3616

Protanopia

13.8445, 15.2148, 4.0408

Deuteranopia

15.3764, 15.1027, 3.2033



Tritanopia

20.5328, 15.0782, 11.5010

Trichromacy



Original Color

18.8310, 15.1035, 3.3616

Protanomaly

15.3863, 14.9485, 3.7435

Deuteranomaly

16.4561, 14.9401, 3.2447

Tritanomaly

19.7118, 14.9778, 7.4823

Monochromacy



Original Color

18.8310, 15.1035, 3.3616

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.5726, 14.1145, 9.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8310, 15.1035, 3.3616 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, 90, 33)` looks like.

```
.text, #text, p{  
    color:rgb(162, 90, 33)  
}
```

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, 90, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 90, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.8310, 15.1035, 3.3616 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, 90, 33) }
```


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

```
.border{ border-color:rgb(162, 90, 33) }
```

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

Here you see how a box with a 4 pixel rgb(162, 90, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 90, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 90, 33);  
box-shadow:4px 4px 4px 4px rgb(162, 90,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8310, 15.1035, 3.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 90, 33) }
```

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

```
.background{ background-color: rgb(162, 90,  
33) }
```

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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