

Converting Colors

XYZ(20.8115, 15.9430, 11.6533)

Have a look what the booklet for
XYZ(20.8115, 15.9430, 11.6533)
contains.

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Color

**XYZ(20.8115, 15.9430,
11.6533)**

Conversions

Conversions Part 1

Format	Color
Hex	A45A5A
RGB	164, 90, 90
RGB Percent	64%, 35%, 35%
CMY	0.3569, 0.6470, 0.6471
CMYK	0.00, 0.45, 0.45, 0.36
HSL	0°, 29%, 50%
HSV	0°, 45%, 64%
XYZ	20.8115, 15.9430, 11.6533
YIQ	112.1260, 44.1040, 15.6880

Conversions

Conversions Part 2

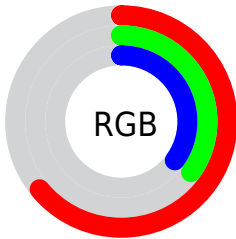
Format	Color
RYB	164, 90, 90
Decimal	10771034
CIELab	46.90, 30.25, 13.49
CIElCh	47, 33.118, 24.039
Yxy	15.9430, 0.4299, 0.3293
Android (android.graphics.Color)	4288961114 (0xFFA45A5A)
YUV	112.1260, -10.9081, 45.4935
Hunter-Lab	39.9287, 23.1620, 10.6461

Details

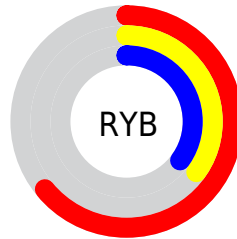
The XYZ color **20.8115, 15.9430, 11.6533** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.1922, 31.4037, 39.9085**, and the grayscale version is **15.4604, 16.2656, 17.7132**.

A 20% lighter version of the original color is **44.0773, 36.3154, 29.4974**, and **7.6083, 5.0966, 3.0654** is the 20% darker color. If you saturate the color by 10%, you get **18.9550, 13.2266, 7.9622**, and if you desaturate by 10%, it is **23.1280, 19.3330, 16.2579**.

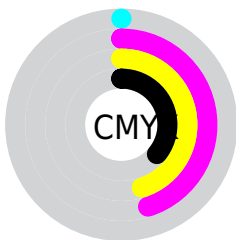
Distribution



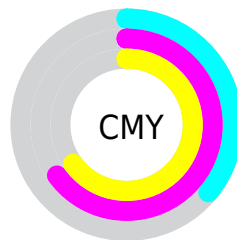
- Red (64%)
- Green (35%)
- Blue (35%)



- Red (64%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (45%)
- Yellow (45%)
- Black (36%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8115, 15.9430, 11.6533 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 20.8115, 15.9430, 11.6533 by changing the saturation by 10% instead.

■ 20.8115, 15.9430,
11.6533

■ 20.8115, 15.9430,
11.6533

249.0257,
229.0051, 212.9921

■ 13.0980, 9.4838,
6.3884

■ 44.2673, 36.4992,
29.5170

■ 7.5735, 5.0581,
3.0101

■ 60.7402, 51.3651,
42.9528

■ 3.8728, 2.2814,
1.0998

■ 80.8636, 69.8019,
59.9494

■ 1.6304, 0.7638,
0.0000

■ 105.0029, 92.1942,
80.9252

■ 0.4121, 0.0000,
0.0000

■ 133.5234,
118.9262, 106.2989

■ 0.0000, 0.0000,
0.0000

166.7905,

150.3825, 136.4889

205.1695,
186.9473, 171.9138

■ 20.8115, 15.9430,
11.6533

■ 20.8115, 15.9430,
11.6533

■ 18.9550, 13.2266,
7.9622

■ 23.1280, 19.3330,
16.2579

■ 17.5267, 11.1366,
5.1230

■ 25.9311, 23.4347,
21.8302

■ 16.4929, 9.6238,
3.0679


■ 29.2467, 28.2863,
28.4215


■ 15.8140, 8.6304,
1.7185


■ 33.0985, 33.9227,
36.0788


■ 15.4406, 8.0839,
0.9763


■ 37.5090, 40.3764,
44.8467

 15.3100, 7.8927,
0.7165

 42.4990, 47.6781,
54.7667

 48.0885, 55.8572,
65.8787

 54.2966, 64.9413,
78.2202

 61.1413, 74.9570,
91.8275

Harmonies

Analogous

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



21.3745, 15.9430, 19.0637



20.8115, 15.9430, 11.6533



18.6537, 15.9430, 7.4064

Triad

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



20.8115, 15.9430, 11.6533



11.0884, 15.9430, 9.5949



14.5840, 15.9430, 38.4672

Complementary

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



20.8115, 15.9430, 11.6533



24.1922, 31.4037, 39.9085

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.



12.1208, 15.9430, 33.6757



20.8115, 15.9430, 11.6533



10.2742, 15.9430, 15.7595

Square

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



20.8115, 15.9430, 11.6533



13.0020, 15.9430, 6.5093



10.6267, 15.9430, 24.6769



17.5298, 15.9430, 36.3104

Rectangle

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



20.8115, 15.9430, 11.6533



16.7322, 15.9430, 6.1189



10.6267, 15.9430, 24.6769



13.6771, 15.9430, 37.5782

Sweetspot

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



20.8119, 15.9438, 11.6536



53.6488, 52.1656, 52.7054



25.6670, 17.8853, 37.2214



11.4377, 10.9786, 10.9439



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.



20.8119, 15.9438, 11.6536



34.4379, 24.0545, 14.5153



24.7448, 23.8096, 12.9646



7.0738, 7.0860, 7.3750



11.7389, 6.0517, 0.5494



0.2467, 0.1272, 0.0115

Inverse Universe

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



24.1922, 31.4037, 39.9085



41.3535, 55.6832, 72.3207



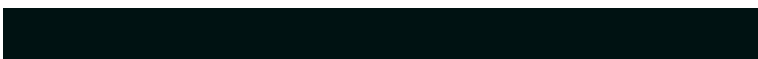
18.5068, 20.0329, 38.0133



7.2761, 8.0112, 9.0659



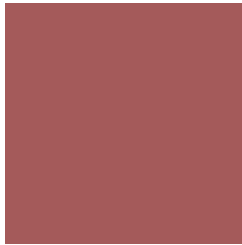
15.3157, 22.4109, 30.4483



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 20.8115, 15.9430, 11.6533 looks on a white background.

Color Contrast Check

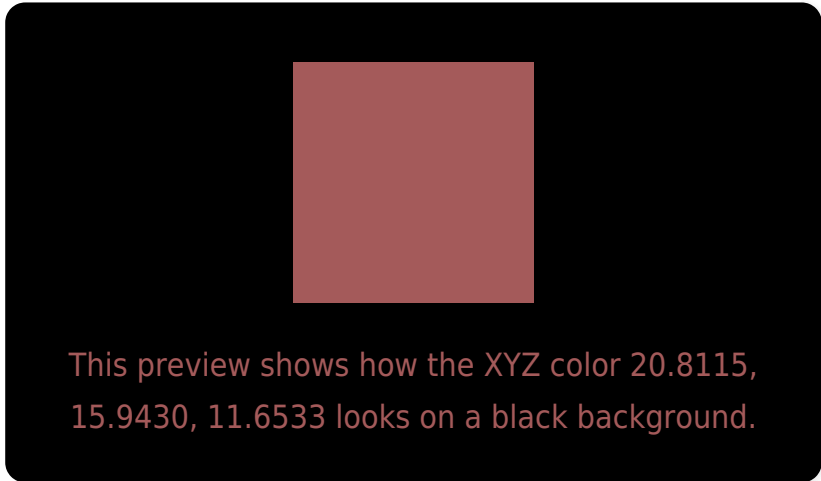
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8115, 15.9430, 11.6533

Background



This preview shows how black text looks on a background with the XYZ color 20.8115, 15.9430, 11.6533.

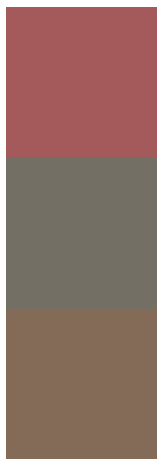


This preview shows how white text looks on a background with the XYZ color 20.8115, 15.9430,

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

20.8115, 15.9430, 11.6533

Protanopia

15.2359, 16.0215, 14.6014

Deuteranopia

16.3381, 16.0288, 11.2496



Tritanopia

20.9935, 15.8818, 13.0253

Trichromacy



Original Color

20.8115, 15.9430, 11.6533

Protanomaly

16.6808, 15.5501, 13.4316

Deuteranomaly

17.7428, 15.8516, 11.3570

Tritanomaly

20.9026, 15.8454, 12.5465

Monochromacy



Original Color

20.8115, 15.9430, 11.6533

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.8091, 15.7254, 15.2461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8115, 15.9430, 11.6533 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(164, 90, 90)` looks like.

```
.text, #text, p{  
    color:rgb(164, 90, 90)  
}
```

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(164, 90, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 90, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.8115, 15.9430, 11.6533 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(164, 90, 90) }
```


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

```
.border{ border-color:rgb(164, 90, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 90, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 90, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 90, 90);  
box-shadow:4px 4px 4px 4px rgb(164, 90,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8115, 15.9430, 11.6533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 90, 90) }
```

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

```
.background{ background-color: rgb(164, 90,  
90) }
```

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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