

Converting Colors

XYZ(22.8598, 18.1139, 10.9928)

Have a look what the booklet for
XYZ(22.8598, 18.1139, 10.9928)
contains.

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Color

**XYZ(22.8420, 18.0652,
11.0871)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6256
RGB	171, 98, 86
RGB Percent	67%, 38%, 34%
CMY	0.3294, 0.6157, 0.6627
CMYK	0.00, 0.43, 0.50, 0.33
HSL	8°, 34%, 50%
HSV	8°, 50%, 67%
XYZ	22.8420, 18.0652, 11.0871
YIQ	118.4590, 47.3600, 11.7440

Conversions

Conversions Part 2

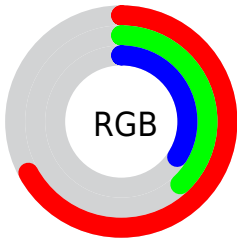
Format	Color
RYB	171, 100, 86
Decimal	11231830
CIELab	49.58, 28.21, 19.67
CIElCh	50, 34.390, 34.882
Yxy	18.0652, 0.4393, 0.3474
Android (android.graphics.Color)	4289421910 (0xFFAB6256)
YUV	118.4590, -16.0023, 46.0785
Hunter-Lab	42.5032, 21.5487, 14.2862

Details

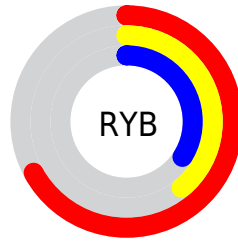
The XYZ color **22.8420, 18.0652, 11.0871** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.5859, 29.7135, 43.0202**, and the grayscale version is **17.4027, 18.3090, 19.9385**.

A 20% lighter version of the original color is **47.6634, 40.2483, 28.5491**, and **8.6111, 6.0861, 2.8187** is the 20% darker color. If you saturate the color by 10%, you get **20.9835, 15.3220, 7.4656**, and if you desaturate by 10%, it is **25.1184, 21.3804, 15.6614**.

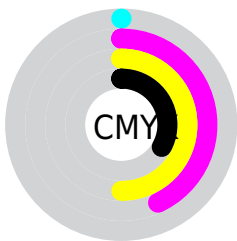
Distribution



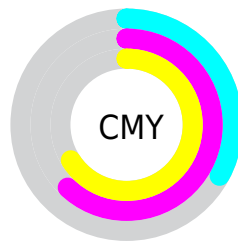
- Red (67%)
- Green (38%)
- Blue (34%)



- Red (67%)
- Yellow (39%)
- Blue (34%)



- Cyan (0%)
- Magenta (43%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (62%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8420, 18.0652, 11.0871 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 22.8420, 18.0652, 11.0871 by changing the saturation by 10% instead.

■ 22.8420, 18.0652,
11.0871

■ 22.8420, 18.0652,
11.0871

259.4630,
241.2383, 209.0230

■ 14.5969, 10.9968,
6.0105

■ 47.6023, 40.1484,
28.4602

■ 8.6215, 6.0647,
2.7826

■ 64.8483, 55.9320,
41.5939

■ 4.5502, 2.8845,
0.9847

■ 85.8253, 75.3894,
58.2503

■ 2.0179, 1.0717,
0.0000

■ 110.8987, 98.9051,
78.8480

■ 0.6440, 0.0000,
0.0000

■ 140.4338,
126.8635, 103.8056

■ 0.0000, 0.0000,
0.0000

174.7959,

159.6488, 133.5416

214.3505,
197.6456, 168.4746

■ 22.8420, 18.0652,
11.0871

■ 22.8420, 18.0652,
11.0871

■ 20.9835, 15.3220,
7.4656

■ 25.1184, 21.3804,
15.6614

■ 19.5156, 13.1155,
4.7283

■ 27.8348, 25.2946,
21.2485

■ 18.4103, 11.4112,
2.7992

■ 31.0134, 29.8366,
27.9046

■ 17.6348, 10.1688,
1.5886

■ 34.6746, 35.0321,
35.6814

■ 17.1360, 9.3365,
0.9133

■ 38.8373, 40.9058,
44.6274

■ 17.1243, 9.3174,
0.8959

■ 43.5197, 47.4810,
54.7882

■ 48.7388, 54.7796,
66.2067

■ 54.5110, 62.8230,
78.9242

■ 60.8521, 71.6315,
92.9797

Harmonies

Analogous

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



24.2027, 18.0652, 18.1817



22.8420, 18.0652, 11.0871



19.9706, 18.0652, 7.4831

Triad

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



22.8420, 18.0652, 11.0871



12.0979, 18.0652, 12.9921



17.7093, 18.0652, 43.5218

Complementary

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



22.8420, 18.0652, 11.0871



23.5859, 29.7135, 43.0202

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.



14.6450, 18.0652, 40.8086



22.8420, 18.0652, 11.0871



11.6522, 18.0652, 21.2373

Square

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



22.8420, 18.0652, 11.0871



13.8298, 18.0652, 8.3140



12.5252, 18.0652, 31.8240



21.0098, 18.0652, 38.3740

Rectangle

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



22.8420, 18.0652, 11.0871



17.7356, 18.0652, 6.6615



12.5252, 18.0652, 31.8240



16.6173, 18.0652, 43.5109

Sweetspot

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



22.8425, 18.0661, 11.0874



58.3474, 57.4219, 55.9095



26.4384, 17.8400, 35.1550



12.7188, 12.3892, 11.8471



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.8425, 18.0661, 11.0874



37.1846, 26.8510, 12.6170



27.8281, 28.0373, 12.7493



8.0931, 8.1911, 8.3678



12.9334, 7.0723, 0.6834



0.3874, 0.2519, 0.0282

Inverse Universe

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



23.5859, 29.7135, 43.0202



38.6276, 50.1129, 76.6387



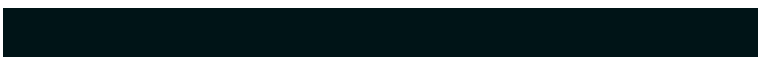
17.5693, 17.6803, 41.0146



8.1385, 8.8763, 10.2371



13.4182, 17.9704, 31.8059



0.3992, 0.5518, 0.8934

Previews

White Background



This preview shows how the XYZ color 22.8420, 18.0652, 11.0871 looks on a white background.

Color Contrast Check

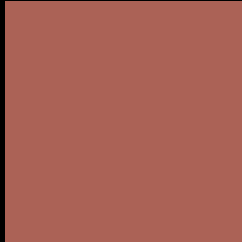
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8420, 18.0652, 11.0871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

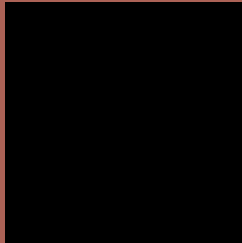
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8420, 18.0652, 11.0871

Background



This preview shows how black text looks on a background with the XYZ color 22.8420, 18.0652, 11.0871.



This preview shows how white text looks on a background with the XYZ color 22.8420, 18.0652,

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

22.8420, 18.0652, 11.0871

Protanopia

17.1482, 18.2187, 13.4392

Deuteranopia

18.4510, 18.0975, 10.7043



Tritanopia

23.6443, 18.1157, 15.0824

Trichromacy



Original Color

22.8420, 18.0652, 11.0871

Protanomaly

18.7715, 17.8924, 12.5894

Deuteranomaly

19.9117, 18.0406, 10.8202

Tritanomaly

23.4456, 18.1831, 13.5832

Monochromacy



Original Color

22.8420, 18.0652, 11.0871

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.6025, 17.7279, 16.0770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8420, 18.0652, 11.0871 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(171, 98, 86)` looks like.

```
.text, #text, p{  
    color:rgb(171, 98, 86)  
}
```

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(171, 98, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 98, 86) }
```

Border

The CSS property to change the border of an element to XYZ 22.8420, 18.0652, 11.0871 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(171, 98, 86) }
```


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

```
.border{ border-color:rgb(171, 98, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 98, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 98, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 98, 86);  
box-shadow:4px 4px 4px 4px rgb(171, 98,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8420, 18.0652, 11.0871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 98, 86) }
```

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

```
.background{ background-color: rgb(171, 98,  
86) }
```

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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