

Converting Colors

XYZ(22.8059, 16.5998, 10.8895)

Have a look what the booklet for
XYZ(22.8059, 16.5998, 10.8895)
contains.

XYZ(22.7671, 16.6022, 10.8087)	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(22.7671, 16.6022,
10.8087)**

Conversions

Conversions Part 1

Format	Color
Hex	AF5756
RGB	175, 87, 86
RGB Percent	69%, 34%, 34%
CMY	0.3137, 0.6588, 0.6627
CMYK	0.00, 0.50, 0.51, 0.31
HSL	1°, 36%, 51%
HSV	1°, 51%, 69%
XYZ	22.7671, 16.6022, 10.8087
YIQ	113.1980, 52.7690, 18.3450

Conversions

Conversions Part 2

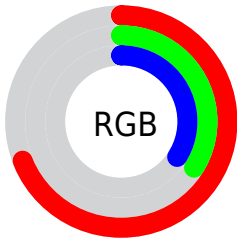
Format	Color
RYB	175, 87, 86
Decimal	11491158
CIELab	47.75, 35.72, 17.32
CIELCh	48, 39.694, 25.866
Yxy	16.6022, 0.4537, 0.3309
Android (android.graphics.Color)	4289681238 (0xFFAF5756)
YUV	113.1980, -13.4086, 54.2004
Hunter-Lab	40.7458, 28.4334, 12.7941

Details

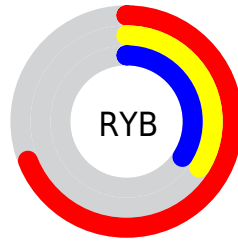
The XYZ color **22.7671, 16.6022, 10.8087** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.7108, 35.3439, 45.9716**, and the grayscale version is **15.7829, 16.6048, 18.0826**.

A 20% lighter version of the original color is **47.6082, 37.7352, 28.0670**, and **8.5330, 5.3348, 2.6778** is the 20% darker color. If you saturate the color by 10%, you get **20.9095, 13.8807, 7.1265**, and if you desaturate by 10%, it is **25.1339, 20.0660, 15.5126**.

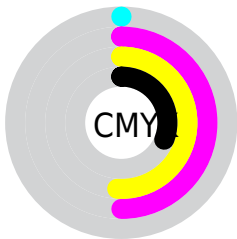
Distribution



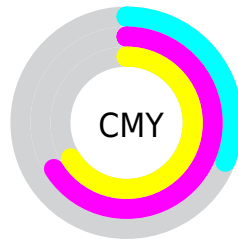
- Red (69%)
- Green (34%)
- Blue (34%)



- Red (69%)
- Yellow (34%)
- Blue (34%)



- Cyan (0%)
- Magenta (50%)
- Yellow (51%)
- Black (31%)



- Cyan (31%)
- Magenta (66%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7671, 16.6022, 10.8087 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 22.7671, 16.6022, 10.8087 by changing the saturation by 10% instead.

■ 22.7671, 16.6022,
10.8087

■ 22.7671, 16.6022,
10.8087

259.0842,
232.8694, 207.0405

■ 14.5414, 9.9513,
5.8258

■ 47.4801, 37.6405,
27.9371

■ 8.5824, 5.3667,
2.6724

■ 64.6981, 52.7968,
40.9197

■ 4.5247, 2.4640,
0.9295

■ 85.6442, 71.5568,
57.4059

■ 2.0030, 0.8585,
0.0000

■ 110.6838, 94.3052,
77.8143

■ 0.6357, 0.0000,
0.0000

■ 140.1823,
121.4263, 102.5634

■ 0.0000, 0.0000,
0.0000

174.5049,

153.3044, 132.0718

214.0171,
190.3240, 166.7580

■ 22.7671, 16.6022,
10.8087

■ 22.7671, 16.6022,
10.8087

■ 20.9095, 13.8807,
7.1265

■ 25.1339, 20.0660,
15.5126

■ 19.5226, 11.8448,
4.3894

■ 28.0422, 24.3180,
21.3053

■ 18.5646, 10.4344,
2.5115

■ 31.5229, 29.4034,
28.2493

■ 17.9857, 9.5774,
1.3909

■ 35.6046, 35.3635,
36.4021

■ 17.7006, 9.1568,
0.8345

■ 40.3136, 42.2365,
45.8174

■ 45.6748, 50.0587,
56.5456

■ 51.7118, 58.8642,
68.6344

■ 58.4470, 68.6855,
82.1291

■ 65.9017, 79.5535,
97.0729

Harmonies

Analogous

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



23.6297, 16.6022, 19.5258



22.7671, 16.6022, 10.8087



19.9362, 16.6022, 6.2297

Triad

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



22.7671, 16.6022, 10.8087



10.7697, 16.6022, 9.1645



15.2921, 16.6022, 45.4888

Complementary

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



22.7671, 16.6022, 10.8087



26.7108, 35.3439, 45.9716

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.



12.2455, 16.6022, 39.6143



22.7671, 16.6022, 10.8087



9.8952, 16.6022, 16.7017

Square

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



22.7671, 16.6022, 10.8087



12.9808, 16.6022, 5.5612



10.3921, 16.6022, 28.0371



18.9550, 16.6022, 42.0442

Rectangle

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



22.7671, 16.6022, 10.8087



17.5092, 16.6022, 4.9603



10.3921, 16.6022, 28.0371



14.1683, 16.6022, 44.4936

Sweetspot

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



22.7675, 16.6031, 10.8090



60.4126, 58.4379, 58.4935



28.7448, 18.8648, 42.6836



13.0940, 12.5017, 12.3350



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.7675, 16.6031, 10.8090



37.1078, 24.3605, 12.0900



27.4082, 25.8845, 12.3559



8.0122, 8.0293, 8.3409



12.6791, 6.5637, 0.5987



0.3550, 0.1872, 0.0174

Inverse Universe

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



26.7108, 35.3439, 45.9716



44.9614, 61.7033, 82.1771



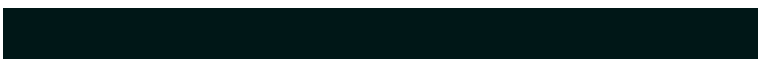
19.6250, 21.1723, 43.6097



8.2285, 9.0563, 10.2671



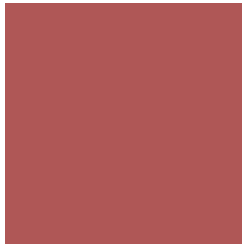
16.2496, 23.6331, 32.7497



0.4544, 0.6623, 0.9119

Previews

White Background



This preview shows how the XYZ color 22.7671, 16.6022, 10.8087 looks on a white background.

Color Contrast Check

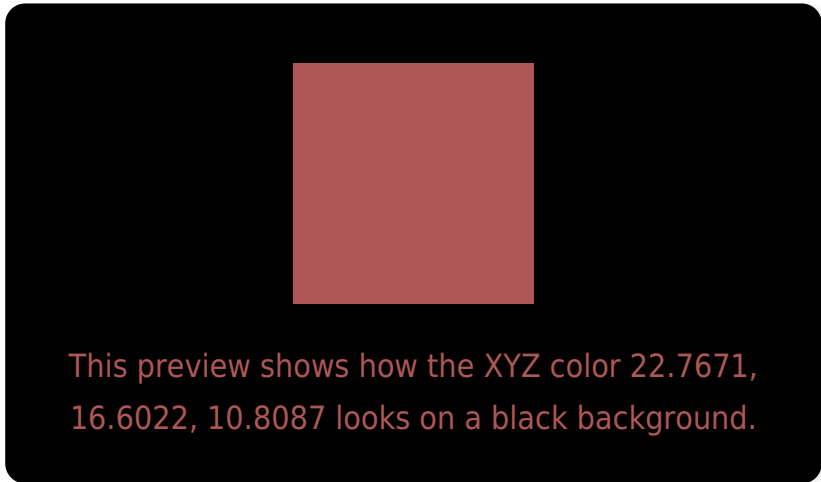
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7671, 16.6022, 10.8087

Background



This preview shows how black text looks on a background with the XYZ color 22.7671, 16.6022, 10.8087.

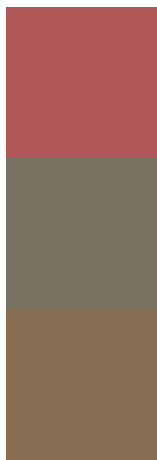


This preview shows how white text looks on a background with the XYZ color 22.7671, 16.6022,

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

22.7671, 16.6022, 10.8087

Protanopia

15.8297, 16.8384, 13.9711

Deuteranopia

16.9833, 16.6974, 10.3104



Tritanopia

22.9388, 16.5422, 12.1092

Trichromacy



Original Color

22.7671, 16.6022, 10.8087

Protanomaly

17.6182, 16.1977, 12.7876

Deuteranomaly

18.7927, 16.4159, 10.3617

Tritanomaly

22.8524, 16.5077, 11.6547

Monochromacy



Original Color

22.7671, 16.6022, 10.8087

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.5518, 16.1141, 15.0172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7671, 16.6022, 10.8087 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(175, 87, 86)` looks like.

```
.text, #text, p{  
    color:rgb(175, 87, 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(175, 87, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 87, 86) }
```

Border

The CSS property to change the border of an element to XYZ 22.7671, 16.6022, 10.8087 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(175, 87, 86) }
```


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

```
.border{ border-color:rgb(175, 87, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 87, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 87, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 87, 86);  
box-shadow:4px 4px 4px 4px rgb(175, 87,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7671, 16.6022, 10.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 87, 86) }
```

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

```
.background{ background-color: rgb(175, 87,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor