

Converting Colors

XYZ(22.1968, 15.0973, 12.8299)

Have a look what the booklet for
XYZ(22.1968, 15.0973, 12.8299)
contains.

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Color

**XYZ(22.2208, 15.1510,
12.8196)**

Conversions

Conversions Part 1

Format	Color
Hex	AE4D60
RGB	174, 77, 96
RGB Percent	68%, 30%, 38%
CMY	0.3176, 0.6980, 0.6235
CMYK	0.00, 0.56, 0.45, 0.32
HSL	348°, 39%, 49%
HSV	348°, 56%, 68%
XYZ	22.2208, 15.1510, 12.8196
YIQ	108.1690, 51.7130, 26.4730

Conversions

Conversions Part 2

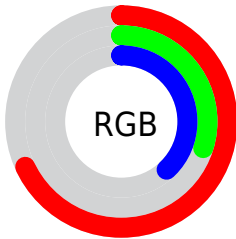
Format	Color
RYB	174, 77, 96
Decimal	11423072
CIELab	45.84, 41.47, 8.60
CIElCh	46, 42.347, 11.713
Yxy	15.1510, 0.4427, 0.3019
Android (android.graphics.Color)	4289613152 (0xFFAE4D60)
YUV	108.1690, -5.9993, 57.7338
Hunter-Lab	38.9243, 33.7832, 7.7200

Details

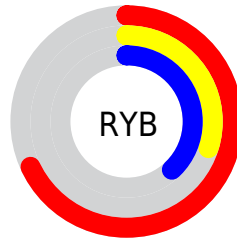
The XYZ color **22.2208, 15.1510, 12.8196** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.1139, 34.2169, 36.3463**, and the grayscale version is **14.3080, 15.0531, 16.3929**.

A 20% lighter version of the original color is **46.6428, 35.0995, 31.5107**, and **8.2385, 4.6655, 3.4839** is the 20% darker color. If you saturate the color by 10%, you get **20.5741, 12.7986, 9.3702**, and if you desaturate by 10%, it is **24.3086, 18.2021, 16.9820**.

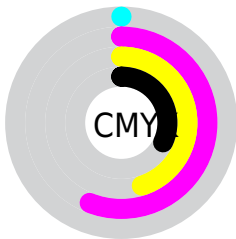
Distribution



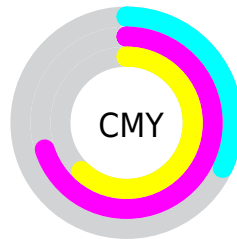
- Red (68%)
- Green (30%)
- Blue (38%)



- Red (68%)
- Yellow (30%)
- Blue (38%)



- Cyan (0%)
- Magenta (56%)
- Yellow (45%)
- Black (32%)



- Cyan (32%)
- Magenta (70%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2208, 15.1510, 12.8196 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 22.2208, 15.1510, 12.8196 by changing the saturation by 10% instead.

■ 22.2208, 15.1510,
12.8196

■ 22.2208, 15.1510,
12.8196

256.3079,
224.2784, 220.9253

■ 14.1367, 8.9254,
7.1752

■ 46.5868, 35.1179,
31.6657

■ 8.2982, 4.6926,
3.4918

■ 63.5995, 49.6279,
45.7045

■ 4.3397, 2.0680,
1.3509

■ 84.3190, 67.6683,
63.3785

■ 1.8961, 0.6466,
0.1030

■ 109.1108, 89.6234,
85.1062

■ 0.5746, 0.0000,
0.0000

■ 138.3403,
115.8775, 111.3062

■ 0.0000, 0.0000,
0.0000

172.3727,

146.8151, 142.3970

211.5735,
182.8206, 178.7972

■ 22.2208, 15.1510,
12.8196

■ 22.2208, 15.1510,
12.8196

■ 20.5741, 12.7986,
9.3702

■ 24.3086, 18.2021,
16.9820

■ 19.3347, 11.0868,
6.5922

■ 26.8655, 21.9991,
21.8943

■ 18.4654, 9.9522,
4.4406

■ 29.9188, 26.5878,
27.5915

■ 17.9195, 9.3128,
2.8633

■ 33.4932, 32.0098,
34.1064

■ 17.7454, 9.1146,
2.3430

■ 37.6116, 38.3035,
41.4696

■ 42.2958, 45.5052,
49.7105

■ 47.5661, 53.6490,
58.8567

■ 53.4421, 62.7671,
68.9348

■ 59.9422, 72.8905,
79.9703

Harmonies

Analogous

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



21.9499, 15.1510, 23.4653



22.2208, 15.1510, 12.8196



20.1557, 15.1510, 6.5696

Triad

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



22.2208, 15.1510, 12.8196



10.2994, 15.1510, 5.7440



12.3525, 15.1510, 43.0837

Complementary

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



22.2208, 15.1510, 12.8196



24.1139, 34.2169, 36.3463

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.



9.8607, 15.1510, 33.3373



22.2208, 15.1510, 12.8196



8.8174, 15.1510, 11.0658

Square

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



22.2208, 15.1510, 12.8196



13.0517, 15.1510, 3.7647



8.6713, 15.1510, 20.8176



15.8393, 15.1510, 44.1997

Rectangle

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



22.2208, 15.1510, 12.8196



17.9041, 15.1510, 4.5358



8.6713, 15.1510, 20.8176



11.3868, 15.1510, 40.5656

Sweetspot

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



22.2212, 15.1518, 12.8199



59.6800, 56.4289, 59.9256



23.7354, 15.2937, 41.7454



12.9721, 12.0976, 12.7889



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.



22.2212, 15.1518, 12.8199



36.7046, 22.3537, 15.6563



23.9601, 19.8641, 9.5936



8.0670, 8.0400, 8.6635



12.8882, 6.6178, 1.7907



0.3768, 0.1914, 0.1461

Inverse Universe

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



22.2212, 15.1518, 12.8199



36.7046, 22.3537, 15.6563



20.8114, 24.8548, 43.7450



8.0670, 8.0400, 8.6635



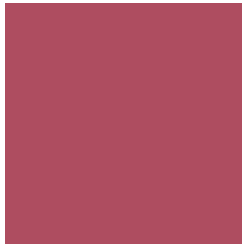
12.8882, 6.6178, 1.7907



0.3768, 0.1914, 0.1461

Previews

White Background



This preview shows how the XYZ color 22.2208, 15.1510, 12.8196 looks on a white background.

Color Contrast Check

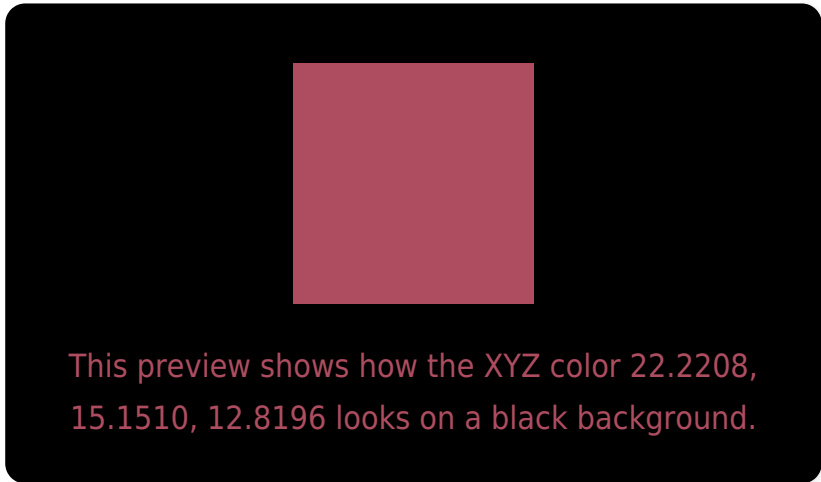
Large Text (above 18pt) WCAG AA ✓ Pass

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

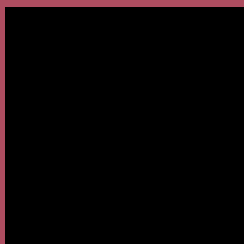
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2208, 15.1510, 12.8196

Background



This preview shows how black text looks on a background with the XYZ color 22.2208, 15.1510, 12.8196.



This preview shows how white text looks on a background with the XYZ color 22.2208, 15.1510,

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

22.2208, 15.1510, 12.8196

Protanopia

14.8797, 15.4445, 17.8196

Deuteranopia

15.5875, 15.3115, 12.2591



Tritanopia

21.6298, 15.1163, 10.1652

Trichromacy



Original Color

22.2208, 15.1510, 12.8196

Protanomaly

16.6014, 14.5975, 15.8525

Deuteranomaly

17.3957, 14.8144, 12.2985

Tritanomaly

21.7194, 15.0376, 10.9903

Monochromacy



Original Color

22.2208, 15.1510, 12.8196

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.2891, 14.4544, 15.0282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2208, 15.1510, 12.8196 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(174, 77, 96)` looks like.

```
.text, #text, p{  
    color:rgb(174, 77, 96)  
}
```

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(174, 77, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 77, 96) }
```

Border

The CSS property to change the border of an element to XYZ 22.2208, 15.1510, 12.8196 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(174, 77, 96) }
```


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

```
.border{ border-color:rgb(174, 77, 96) }
```

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

Here you see how a box with a 4 pixel rgb(174, 77, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 77, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 77, 96);  
box-shadow:4px 4px 4px 4px rgb(174, 77,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2208, 15.1510, 12.8196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 77, 96) }
```

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

```
.background{ background-color: rgb(174, 77,  
96) }
```

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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