

Converting Colors

XYZ(23.3171, 17.0849, 12.8952)

Have a look what the booklet for
XYZ(23.3171, 17.0849, 12.8952)
contains.

| | |
|--|----|
| XYZ(23.3171, 17.0849, 12.8952) | 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(23.3171, 17.0849,
12.8952)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AF595F |
| RGB | 175, 89, 95 |
| RGB Percent | 69%, 35%, 37% |
| CMY | 0.3137, 0.6510, 0.6274 |
| CMYK | 0.00, 0.49, 0.46, 0.31 |
| HSL | 356°, 35%, 52% |
| HSV | 356°, 49%, 69% |
| XYZ | 23.3171, 17.0849, 12.8952 |
| YIQ | 115.3980, 49.3300, 20.0980 |

Conversions

Conversions Part 2

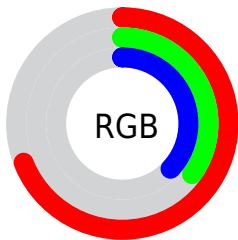
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 175, 89, 95 |
| Decimal | 11491679 |
| CIE Lab | 48.37, 35.56, 12.76 |
| CIE LCh | 48, 37.780, 19.740 |
| Yxy | 17.0849, 0.4375, 0.3206 |
| Android (android.graphics.Color) | 4289681759 (0xFFAF595F) |
| YUV | 115.3980, -10.0562, 52.2710 |
| Hunter-Lab | 41.3339, 28.3604, 10.4366 |

Details

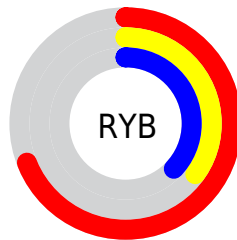
The XYZ color **23.3171, 17.0849, 12.8952** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.6121, 35.6487, 43.0166**, and the grayscale version is **16.4362, 17.2921, 18.8311**.

A 20% lighter version of the original color is **48.2400, 38.4177, 31.6609**, and **8.8876, 5.5947, 3.5172** is the 20% darker color. If you saturate the color by 10%, you get **21.3658, 14.2454, 8.9675**, and if you desaturate by 10%, it is **25.7701, 20.6803, 17.7535**.

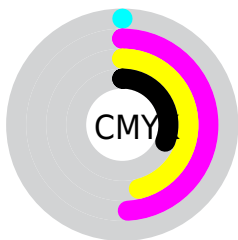
Distribution



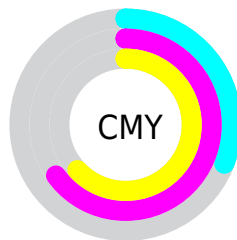
- Red (69%)
- Green (35%)
- Blue (37%)



- Red (69%)
- Yellow (35%)
- Blue (37%)



- Cyan (0%)
- Magenta (49%)
- Yellow (46%)
- Black (31%)





- Cyan (31%)
- Magenta (65%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3171, 17.0849, 12.8952 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 23.3171, 17.0849, 12.8952 by changing the saturation by 10% instead.


 23.3171, 17.0849,
12.8952


 23.3171, 17.0849,
12.8952


261.8546,
235.6612, 221.4291


 14.9498, 10.2950,
7.2265


 48.3763, 38.4717,
31.8038


 8.8703, 5.5950,
3.5236


 65.7990, 53.8374,
45.8808

 4.7131, 2.6004,
1.3678

 86.9707, 72.8305,
63.5977

 2.1129, 0.9269,
0.1164

 112.2571, 95.8355,
85.3730

 0.6962, 0.0000,
0.0000

142.0232,
123.2366, 111.6253

 0.0000, 0.0000,
0.0000

176.6346,

155.4183, 142.7730

216.4566,
192.7651, 179.2348

■ 23.3171, 17.0849,
12.8952

■ 23.3171, 17.0849,
12.8952

■ 21.3658, 14.2454,
8.9675

■ 25.7701, 20.6803,
17.7535

■ 19.8802, 12.1054,
5.9099

■ 28.7548, 25.0775,
23.5956

■ 18.8217, 10.6050,
3.6564

■ 32.3005, 30.3217,
30.4718


■ 18.1449, 9.6730,
2.1311

■ 36.4338, 36.4542,
38.4290


■ 17.7721, 9.1772,
1.2361


■ 41.1798, 43.5135,
47.5107

 17.7467, 9.1410,
1.1833

 46.5620, 51.5357,
57.7584

 52.6027, 60.5553,
69.2115

 59.3232, 70.6047,
81.9072

 66.7437, 81.7151,
95.8815

Harmonies

Analogous

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



23.6801, 17.0849, 22.1958



23.3171, 17.0849, 12.8952



20.9141, 17.0849, 7.5446

Triad

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



23.3171, 17.0849, 12.8952



11.6841, 17.0849, 8.8277



15.0856, 17.0849, 44.2593

Complementary

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



23.3171, 17.0849, 12.8952



26.6121, 35.6487, 43.0166

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.



12.3178, 17.0849, 37.1935



23.3171, 17.0849, 12.8952



10.5466, 17.0849, 15.4197

Square

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



23.3171, 17.0849, 12.8952



14.0996, 17.0849, 5.8383



10.7608, 17.0849, 25.7856



18.5839, 17.0849, 42.8266

Rectangle

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



23.3171, 17.0849, 12.8952



18.6458, 17.0849, 5.8655



10.7608, 17.0849, 25.7856



14.0482, 17.0849, 42.7240

Sweetspot

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



23.3175, 17.0858, 12.8955



60.5944, 58.3747, 59.8702



27.4237, 18.5473, 42.6919



13.1385, 12.4862, 12.6720



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.



23.3175, 17.0858, 12.8955



37.9989, 25.1271, 15.5179



26.7954, 24.4611, 12.7615



8.0271, 8.0241, 8.4533



12.7181, 6.5498, 0.8952



0.3610, 0.1851, 0.0626

Inverse Universe

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



23.3175, 17.0858, 12.8955



37.9989, 25.1271, 15.5179



21.1152, 23.7334, 44.0254



8.0271, 8.0241, 8.4533



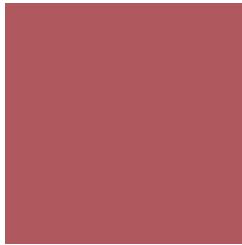
12.7181, 6.5498, 0.8952



0.3610, 0.1851, 0.0626

Previews

White Background



This preview shows how the XYZ color 23.3171, 17.0849, 12.8952 looks on a white background.

Color Contrast Check

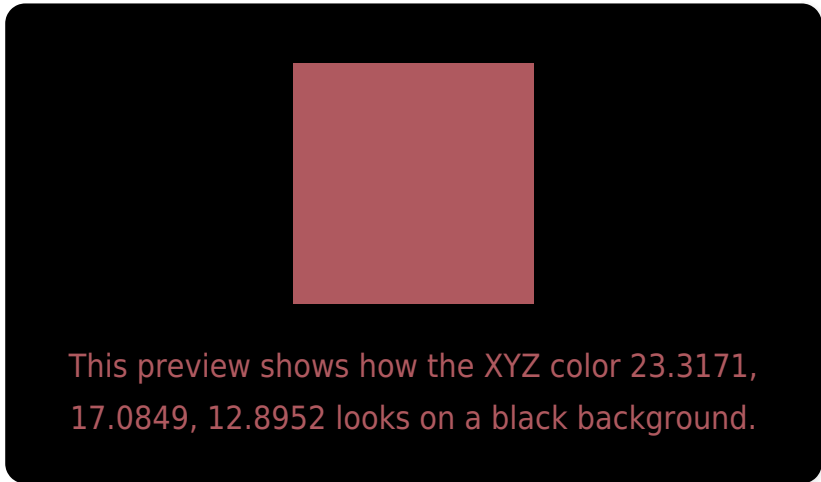
Large Text (above 18pt) WCAG AA ✓ Pass

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

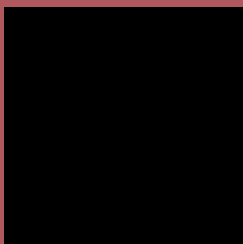
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3171, 17.0849, 12.8952

Background



This preview shows how black text looks on a background with the XYZ color 23.3171, 17.0849, 12.8952.



This preview shows how white text looks on a background with the XYZ color 23.3171, 17.0849,

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

23.3171, 17.0849, 12.8952

Protanopia

16.4453, 17.2661, 16.6533

Deuteranopia

17.5644, 17.2751, 12.3062



Tritanopia

23.3171, 17.0849, 12.8952

Trichromacy



Original Color

23.3171, 17.0849, 12.8952

Protanomaly

18.2497, 16.7763, 15.1083

Deuteranomaly

19.3597, 16.9572, 12.3779

Tritanomaly

23.3171, 17.0849, 12.8952

Monochromacy



Original Color

23.3171, 17.0849, 12.8952

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.1773, 16.7091, 16.4545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3171, 17.0849, 12.8952 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, 89, 95)` looks like.

```
.text, #text, p{  
    color:rgb(175, 89, 95)  
}
```

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, 89, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 89, 95) }
```

Border

The CSS property to change the border of an element to XYZ 23.3171, 17.0849, 12.8952 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, 89, 95) }
```


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

```
.border{ border-color:rgb(175, 89, 95) }
```

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

Here you see how a box with a 4 pixel rgb(175, 89, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 89, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 89, 95);  
box-shadow:4px 4px 4px 4px rgb(175, 89,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3171, 17.0849, 12.8952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 89, 95) }
```

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

```
.background{ background-color: rgb(175, 89,  
95) }
```

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