

Converting Colors

XYZ(27.3222, 22.9374, 18.3753)

Have a look what the booklet for
XYZ(27.3222, 22.9374, 18.3753)
contains.

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Color

**XYZ(27.3015, 23.0077,
18.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	B17470
RGB	177, 116, 112
RGB Percent	69%, 45%, 44%
CMY	0.3059, 0.5451, 0.5608
CMYK	0.00, 0.34, 0.37, 0.31
HSL	4°, 29%, 57%
HSV	4°, 37%, 69%
XYZ	27.3015, 23.0077, 18.3312
YIQ	133.7830, 37.6400, 11.6880

Conversions

Conversions Part 2

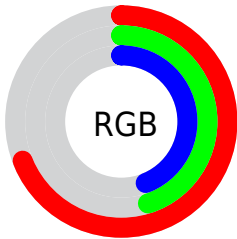
Format	Color
R_{YB}	177, 116, 112
Decimal	11629680
CIE Lab	55.08, 23.52, 12.12
CIE LCh	55, 26.460, 27.254
Yxy	23.0077, 0.3977, 0.3352
Android (android.graphics.Color)	4289819760 (0xFFB17470)
YUV	133.7830, -10.7390, 37.9013
Hunter-Lab	47.9663, 17.6576, 10.9177

Details

The XYZ color **27.3015, 23.0077, 18.3312** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **29.5610, 36.5050, 47.0833**, and the grayscale version is **22.6093, 23.7868, 25.9038**.

A 20% lighter version of the original color is **54.8205, 48.5487, 41.6034**, and **10.9586, 8.5221, 5.9178** is the 20% darker color. If you saturate the color by 10%, you get **24.6648, 19.1593, 13.0587**, and if you desaturate by 10%, it is **30.4755, 27.6204, 24.7390**.

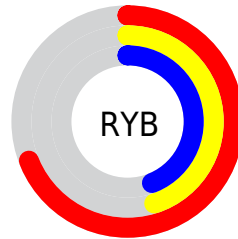
Distribution



Red (69%)

Green (45%)

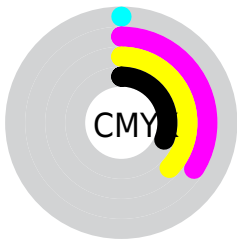
Blue (44%)



Red (69%)

Yellow (45%)

Blue (44%)

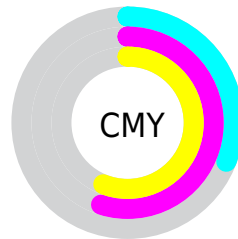


Cyan (0%)

Magenta (34%)

Yellow (37%)

Black (31%)



Cyan (31%)


Magenta (55%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3015, 23.0077, 18.3312 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 27.3015, 23.0077, 18.3312 by changing the saturation by 10% instead.

 27.3015, 23.0077,
18.3312


 27.3015, 23.0077,
18.3312


281.2550,
267.7645, 255.0298


 17.9375, 14.5992,
11.0161


 54.7838, 48.4060,
41.4224


 11.0046, 8.5386,
5.9634


 73.6328, 66.1645,
58.0356

 6.1372, 4.4415,
2.7544


 96.3743, 87.8085,
78.5853

 2.9702, 1.9234,
0.9706

 123.3735,
113.7224, 103.4900

 1.1380, 0.5624,
0.0000

154.9958,
144.2906, 133.1683

 0.0566, 0.0000,
0.0000

191.6066,

 0.0000, 0.0000,

179.8974, 168.0387

0.0000

233.5712,
220.9272, 208.5196

■ 27.3015, 23.0077,
18.3312

■ 27.3015, 23.0077,
18.3312

■ 24.6648, 19.1593,
13.0587

■ 30.4755, 27.6204,
24.7390

■ 22.5338, 16.0310,
8.8541

■ 34.2124, 33.0322,
32.3417

■ 20.8768, 13.5788,
5.6448


■ 38.5383, 39.2795,
41.1960


■ 19.6574, 11.7528,
3.3487


■ 43.4770, 46.3957,
51.3550


■ 18.8339, 10.4963,
1.8705

■ 49.0512, 54.4122,
62.8684

 18.3538, 9.7408,
1.0794

 55.2824, 63.3590,
75.7835

 18.2501, 9.5842,
0.8881

 62.1910, 73.2646,
90.1452

 69.7966, 84.1564,
105.9965

 71.9415, 88.0871,
107.8185

Harmonies

Analogous

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



28.0296, 23.0077, 25.8368



27.3015, 23.0077, 18.3312



25.0782, 23.0077, 13.7321

Triad

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



27.3015, 23.0077, 18.3312



17.4405, 23.0077, 17.2596



21.5979, 23.0077, 45.0059

Complementary

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



27.3015, 23.0077, 18.3312



29.5610, 36.5050, 47.0833

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.



18.9444, 23.0077, 41.3276



27.3015, 23.0077, 18.3312



16.6830, 23.0077, 24.2822

Square

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



27.3015, 23.0077, 18.3312



19.3748, 23.0077, 13.2181



17.2082, 23.0077, 33.2412



24.5667, 23.0077, 42.4223

Rectangle

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



27.3015, 23.0077, 18.3312



23.1421, 23.0077, 12.3238



17.2082, 23.0077, 33.2412



20.6418, 23.0077, 44.4449

Sweetspot

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



27.3021, 23.0088, 18.3317



65.4282, 65.1634, 66.4166



31.5414, 23.9819, 42.8834



13.9591, 13.8039, 13.9428



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.



27.3021, 23.0088, 18.3317



45.0312, 35.5680, 25.0939



31.6070, 31.6186, 19.7666



8.5370, 8.5865, 8.8599



13.2392, 6.9769, 0.6489



0.4304, 0.2472, 0.0250

Inverse Universe

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



29.5610, 36.5050, 47.0833



49.6559, 63.2400, 84.0847



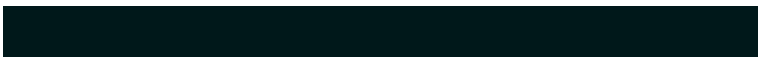
24.1799, 25.7429, 45.2896



8.6970, 9.5401, 10.8894



15.6589, 22.1183, 33.5809



0.5061, 0.7227, 1.0611

Previews

White Background



This preview shows how the XYZ color 27.3015, 23.0077, 18.3312 looks on a white background.

Color Contrast Check

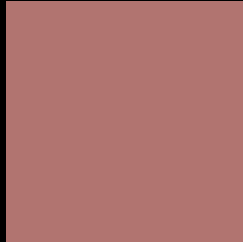
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.3015, 23.0077, 18.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

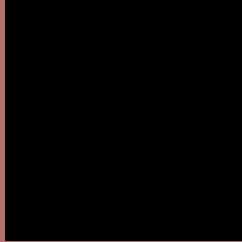
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.3015, 23.0077, 18.3312

Background



This preview shows how black text looks on a background with the XYZ color 27.3015, 23.0077, 18.3312.



This preview shows how white text looks on a background with the XYZ color 27.3015, 23.0077,

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

27.3015, 23.0077, 18.3312

Protanopia

21.9580, 23.1770, 21.0856

Deuteranopia

23.5407, 23.0768, 17.9654



Tritanopia

27.9526, 22.9297, 21.6915

Trichromacy



Original Color

27.3015, 23.0077, 18.3312

Protanomaly

23.6206, 22.8815, 20.0012

Deuteranomaly

24.8525, 22.9950, 18.1675

Tritanomaly

27.8206, 23.0584, 20.4372

Monochromacy



Original Color

27.3015, 23.0077, 18.3312

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.9329, 23.1691, 22.9494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3015, 23.0077, 18.3312 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(177, 116, 112)` looks like.

```
.text, #text, p{  
    color:rgb(177, 116, 112)  
}
```

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(177, 116, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 116, 112) }
```

Border

The CSS property to change the border of an element to XYZ 27.3015, 23.0077, 18.3312 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(177, 116, 112) }
```


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

```
.border{ border-color:rgb(177, 116, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 116, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 116, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 116, 112);  
box-shadow:4px 4px 4px 4px rgb(177, 116,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3015, 23.0077, 18.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 116, 112) }
```

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

```
.background{ background-color: rgb(177,  
116, 112) }
```

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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