

Converting Colors

XYZ(16.6722, 15.2918, 23.2098)

Have a look what the booklet for
XYZ(16.6722, 15.2918, 23.2098)
contains.

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Color

**XYZ(16.6252, 15.3053,
23.1971)**

Conversions

Conversions Part 1

Format	Color
Hex	786782
RGB	120, 103, 130
RGB Percent	47%, 40%, 51%
CMY	0.5294, 0.5961, 0.4902
CMYK	0.08, 0.21, 0.00, 0.49
HSL	278°, 12%, 46%
HSV	278°, 21%, 51%
XYZ	16.6252, 15.3053, 23.1971
YIQ	111.1610, 1.4650, 12.0010

Conversions

Conversions Part 2

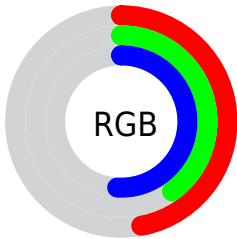
Format	Color
R_{YB}	120, 103, 130
Decimal	7890818
CIE Lab	46.05, 12.17, -12.47
CIE LCh	46, 17.425, 314.311
Yxy	15.3053, 0.3016, 0.2776
Android (android.graphics.Color)	4286080898 (0xFF786782)
YUV	111.1610, 9.2876, 7.7518
Hunter-Lab	39.1220, 7.3915, -7.7702

Details

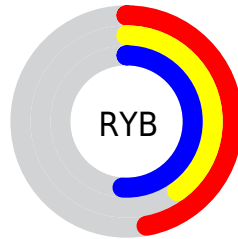
The XYZ color **16.6252, 15.3053, 23.1971** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2416, 20.4557, 15.8724**, and the grayscale version is **15.1301, 15.9181, 17.3348**.

A 20% lighter version of the original color is **37.1161, 35.3008, 49.6572**, and **5.4979, 4.7620, 8.4140** is the 20% darker color. If you saturate the color by 10%, you get **14.7803, 12.5820, 22.7689**, and if you desaturate by 10%, it is **18.7057, 18.4494, 23.6946**.

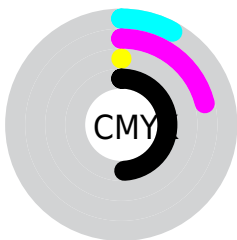
Distribution



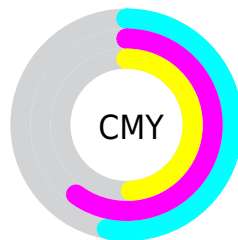
- Red (47%)
- Green (40%)
- Blue (51%)



- Red (47%)
- Yellow (40%)
- Blue (51%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (53%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6252, 15.3053, 23.1971 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 16.6252, 15.3053, 23.1971 by changing the saturation by 10% instead.

■ 16.6252, 15.3053,
23.1971

■ 16.6252, 15.3053,
23.1971

226.2018,
225.2068, 281.8904

■ 10.0613, 9.0339,
14.5324

■ 37.2290, 35.3879,
49.6441

■ 5.5022, 4.7633,
8.3490

■ 51.9995, 49.9679,
68.2634

■ 2.5826, 2.1091,
4.2281

■ 70.2364, 68.0862,
91.0381

■ 0.9371, 0.6697,
1.7513

■ 92.3048, 90.1273,
118.3867

■ 0.0000, 0.0000,
0.3955

118.5702,
116.4755, 150.7277

■ 0.0000, 0.0000,
0.0000

149.3979,

147.5152, 188.4796

185.1533,
183.6308, 232.0610

■ 16.6252, 15.3053,
23.1971

■ 16.6252, 15.3053,
23.1971

■ 14.7803, 12.5820,
22.7689

■ 18.7057, 18.4494,
23.6946

■ 13.1599, 10.2587,
22.4059

■ 21.0295, 22.0298,
24.2632

■ 11.7539, 8.3158,
22.1050

■ 23.6057, 26.0638,
24.9060

■ 10.5509, 6.7313,
21.8625

■ 26.4425, 30.5671,
25.6257

■ 9.5383, 5.4808,
21.6745

■ 29.5477, 35.5546,
26.4247

8.7021, 4.5367,
21.5364

32.9288, 41.0404,
27.3054

8.0256, 3.8671,
21.4428

36.5929, 47.0384,
28.2700

7.4957, 3.3987,
21.3803

40.5468, 53.5615,
29.3207

44.7973, 60.6225,
30.4596

Harmonies

Analogous

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



15.2614, 15.3053, 25.8659



16.6252, 15.3053, 23.1971



17.4599, 15.3053, 18.9652

Triad

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



16.6252, 15.3053, 23.1971



15.3297, 15.3053, 9.9903



11.9624, 15.3053, 18.7599

Complementary

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



16.6252, 15.3053, 23.1971



17.2416, 20.4557, 15.8724

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.



11.9780, 15.3053, 14.5585



16.6252, 15.3053, 23.1971



13.8557, 15.3053, 9.9543

Square

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



16.6252, 15.3053, 23.1971



16.6781, 15.3053, 11.5992



12.6500, 15.3053, 11.4908



12.6061, 15.3053, 23.0250

Rectangle

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



16.6252, 15.3053, 23.1971



17.5707, 15.3053, 16.0602



12.6500, 15.3053, 11.4908



11.8922, 15.3053, 17.2846

Sweetspot

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



16.6257, 15.3060, 23.1974



34.7828, 35.3132, 42.1754



15.5677, 16.3845, 23.4614



7.8259, 7.9206, 9.5347



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.6257, 15.3060, 23.1974



27.6686, 24.5623, 40.4752



17.8777, 15.9754, 22.1691



4.3485, 4.3353, 5.4209



7.1948, 3.2627, 20.5005



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0374, 15.6393, 17.7445



28.5703, 25.2844, 28.8911



16.1861, 19.8930, 16.6640



4.3885, 4.3686, 4.8504



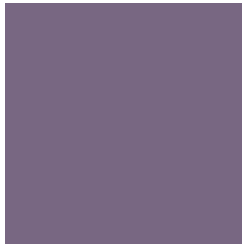
9.3448, 4.7576, 3.1392



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6252, 15.3053, 23.1971 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 16.6252, 15.3053, 23.1971 looks on a 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 16.6252, 15.3053, 23.1971

Background



This preview shows how black text looks on a background with the XYZ color 16.6252, 15.3053, 23.1971.



This preview shows how white text looks on a background with the XYZ color 16.6252, 15.3053,

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

16.6252, 15.3053, 23.1971

Protanopia

15.2592, 15.3299, 24.7090

Deuteranopia

15.6506, 15.4154, 22.9195



Tritanopia

15.6625, 15.3745, 18.0617

Trichromacy



Original Color

16.6252, 15.3053, 23.1971

Protanomaly

15.6943, 15.2527, 24.3072

Deuteranomaly

16.0559, 15.4705, 22.9087

Tritanomaly

16.0495, 15.3812, 19.8923

Monochromacy



Original Color

16.6252, 15.3053, 23.1971

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5720, 15.6105, 19.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6252, 15.3053, 23.1971 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(120, 103, 130)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 130)  
}
```

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(120, 103, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 130) }
```

Border

The CSS property to change the border of an element to XYZ 16.6252, 15.3053, 23.1971 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(120, 103, 130) }
```


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

```
.border{ border-color:rgb(120, 103, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 130);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6252, 15.3053, 23.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 130) }
```

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

```
.background{ background-color: rgb(120,  
103, 130) }
```

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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