

Converting Colors

XYZ(17.7661, 10.0217, 7.6938)

Have a look what the booklet for
XYZ(17.7661, 10.0217, 7.6938)
contains.

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Color

**XYZ(17.6890, 10.0012,
7.6547)**

Conversions

Conversions Part 1

Format	Color
Hex	A6264B
RGB	166, 38, 75
RGB Percent	65%, 15%, 29%
CMY	0.3490, 0.8509, 0.7059
CMYK	0.00, 0.77, 0.55, 0.35
HSL	343°, 63%, 40%
HSV	343°, 77%, 65%
XYZ	17.6890, 10.0012, 7.6547
YIQ	80.4900, 64.4110, 38.6430

Conversions

Conversions Part 2

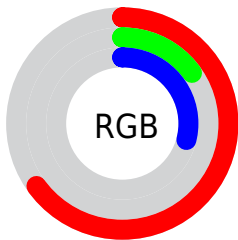
Format	Color
R_{YB}	166, 38, 75
Decimal	10888779
CIE Lab	37.84, 53.38, 10.29
CIE LCh	38, 54.363, 10.912
Yxy	10.0012, 0.5005, 0.2830
Android (android.graphics.Color)	4289078859 (0xFFA6264B)
YUV	80.4900, -2.7066, 74.9923
Hunter-Lab	31.6247, 44.4993, 7.7862

Details

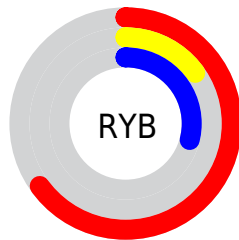
The XYZ color **17.6890, 10.0012, 7.6547** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.3989, 29.2698, 25.4518**, and the grayscale version is **7.7177, 8.1197, 8.8423**.

A 20% lighter version of the original color is **39.0314, 25.7832, 21.6584**, and **6.4451, 3.2924, 1.6623** is the 20% darker color. If you saturate the color by 10%, you get **16.9043, 9.0196, 5.5817**, and if you desaturate by 10%, it is **18.7858, 11.4872, 10.2017**.

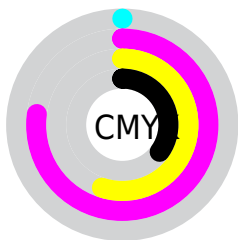
Distribution



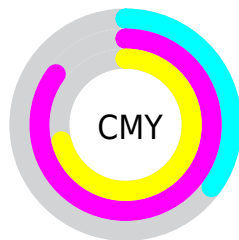
- Red (65%)
- Green (15%)
- Blue (29%)



- Red (65%)
- Yellow (15%)
- Blue (29%)



- Cyan (0%)
- Magenta (77%)
- Yellow (55%)
- Black (35%)





- Cyan (35%)
- Magenta (85%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6890, 10.0012, 7.6547 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 17.6890, 10.0012, 7.6547 by changing the saturation by 10% instead.


 17.6890, 10.0012,
7.6547


 17.6890, 10.0012,
7.6547


232.1918,
190.6806, 182.8303


 10.8253, 5.3998,
3.7902


 39.0409, 25.7978,
21.8136


 6.0159, 2.4837,
1.5110


 54.2598, 37.7617,
32.9450


 2.8955, 0.8684,
0.2261

 72.9945, 52.9485,
47.3359

 1.0987, 0.0000,
0.0000

 95.6103, 71.7427,
65.4047

 0.0241, 0.0000,
0.0000

 122.4726, 94.5286,
87.5700

 0.0000, 0.0000,
0.0000

 153.9467,

121.6906, 114.2504

190.3980,
153.6132, 145.8643

■ 17.6890, 10.0012,
7.6547

■ 17.6890, 10.0012,
7.6547

■ 16.9043, 9.0196,
5.5817

■ 18.7858, 11.4872,
10.2017

■ 16.3843, 8.4539,
3.9461

■ 20.2257, 13.5334,
13.2518

■ 16.2589, 8.3202,
3.5428

■ 22.0366, 16.1898,
16.8319

■ 24.2433, 19.5005,
20.9667

■ 26.8682, 23.5055,
25.6795

■ 29.9322, 28.2415,
30.9920

■ 33.4546, 33.7426,
36.9248

■ 37.4535, 40.0410,
43.4974

■ 41.9463, 47.1667,
50.7285

Harmonies

Analogous

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



17.3187, 10.0012, 18.4199



17.6890, 10.0012, 7.6547



15.5001, 10.0012, 2.5516

Triad

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



17.6890, 10.0012, 7.6547



5.7680, 10.0012, 1.8866



7.4845, 10.0012, 40.8180

Complementary

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



17.6890, 10.0012, 7.6547



18.3989, 29.2698, 25.4518

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.



5.2987, 10.0012, 28.8371



17.6890, 10.0012, 7.6547



4.4875, 10.0012, 5.7552

Square

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



17.6890, 10.0012, 7.6547



8.2965, 10.0012, 0.8298



4.3398, 10.0012, 14.9275



10.8273, 10.0012, 42.5450

Rectangle

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



17.6890, 10.0012, 7.6547



13.1370, 10.0012, 1.2676



4.3398, 10.0012, 14.9275



6.6143, 10.0012, 37.6212

Sweetspot

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



17.6893, 10.0018, 7.6549



50.7128, 45.6621, 50.0214



16.4187, 8.6984, 36.8899



10.9332, 9.5787, 10.4664



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.6893, 10.0018, 7.6549



29.9312, 15.5468, 7.8018



17.8872, 11.8696, 3.1828



7.6170, 7.5766, 8.3002



12.6260, 6.4591, 2.8423



0.3290, 0.1659, 0.1840

Inverse Universe

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



17.6893, 10.0018, 7.6549



29.9312, 15.5468, 7.8018



17.1195, 22.0392, 39.4280



7.6170, 7.5766, 8.3002



12.6260, 6.4591, 2.8423



0.3290, 0.1659, 0.1840

Previews

White Background



This preview shows how the XYZ color 17.6890, 10.0012, 7.6547 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

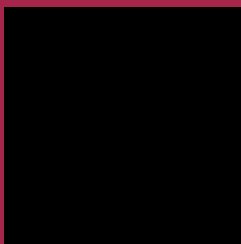
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6890, 10.0012, 7.6547

Background



This preview shows how black text looks on a background with the XYZ color 17.6890, 10.0012, 7.6547.



This preview shows how white text looks on a background with the XYZ color 17.6890, 10.0012,

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

17.6890, 10.0012, 7.6547

Protanopia

10.1250, 10.3758, 13.7810

Deuteranopia

10.4262, 10.3102, 7.0708



Tritanopia

16.9685, 10.0813, 3.7409

Trichromacy



Original Color

17.6890, 10.0012, 7.6547

Protanomaly

11.5211, 9.0611, 11.2669

Deuteranomaly

12.1675, 9.3004, 7.1151

Tritanomaly

17.0835, 9.9507, 4.8912

Monochromacy



Original Color

17.6890, 10.0012, 7.6547

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.8210, 7.7102, 8.1783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6890, 10.0012, 7.6547 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(166, 38, 75)` looks like.

```
.text, #text, p{  
    color:rgb(166, 38, 75)  
}
```

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(166, 38, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 38, 75) }
```

Border

The CSS property to change the border of an element to XYZ 17.6890, 10.0012, 7.6547 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(166, 38, 75) }
```


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

```
.border{ border-color:rgb(166, 38, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 38, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 38, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 38, 75);  
box-shadow:4px 4px 4px 4px rgb(166, 38,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6890, 10.0012, 7.6547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 38, 75) }
```

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

```
.background{ background-color: rgb(166, 38,  
75) }
```

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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