

Converting Colors

XYZ(18.0504, 12.6045, 10.1302)

Have a look what the booklet for
XYZ(18.0504, 12.6045, 10.1302)
contains.

XYZ(18.1228, 12.6901, 10.0886)	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(18.1228, 12.6901,
10.0886)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4955
RGB	158, 73, 85
RGB Percent	62%, 29%, 33%
CMY	0.3804, 0.7137, 0.6667
CMYK	0.00, 0.54, 0.46, 0.38
HSL	352°, 37%, 45%
HSV	352°, 54%, 62%
XYZ	18.1228, 12.6901, 10.0886
YIQ	99.7830, 46.8080, 21.7520

Conversions

Conversions Part 2

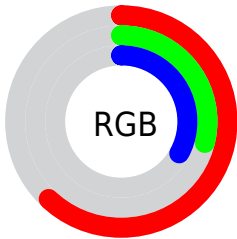
Format	Color
R_{YB}	158, 73, 85
Decimal	10373461
CIE Lab	42.29, 36.52, 10.00
CIE LCh	42, 37.868, 15.317
Yxy	12.6901, 0.4431, 0.3103
Android (android.graphics.Color)	4288563541 (0xFF9E4955)
YUV	99.7830, -7.2880, 51.0563
Hunter-Lab	35.6232, 28.4689, 8.1451

Details

The XYZ color **18.1228, 12.6901, 10.0886** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.1636, 27.9458, 31.5273**, and the grayscale version is **12.0679, 12.6964, 13.8264**.

A 20% lighter version of the original color is **39.8296, 30.7355, 26.3875**, and **6.2634, 3.6106, 2.3743** is the 20% darker color. If you saturate the color by 10%, you get **16.7250, 10.6762, 7.2131**, and if you desaturate by 10%, it is **19.8884, 15.2742, 13.5970**.

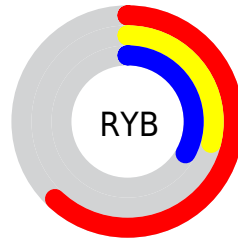
Distribution



Red (62%)

Green (29%)

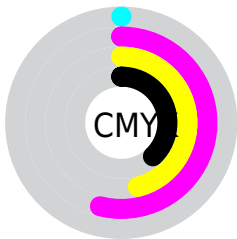
Blue (33%)



Red (62%)

Yellow (29%)

Blue (33%)

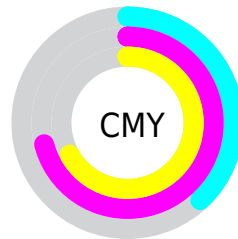


Cyan (0%)

Magenta (54%)

Yellow (46%)

Black (38%)



Cyan (38%)


Magenta (71%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1228, 12.6901, 10.0886 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 18.1228, 12.6901, 10.0886 by changing the saturation by 10% instead.


 18.1228, 12.6901,
10.0886


 18.1228, 12.6901,
10.0886


234.5945,
208.9219, 201.8110


 11.1384, 7.2155,
5.3514


 39.7749, 30.7459,
26.5724


 6.2280, 3.5972,
2.3925


 55.1733, 44.0959,
39.1561

 3.0262, 1.4509,
0.7824

 74.1071, 60.8398,
55.1924

 1.1676, 0.2538,
0.0000

 96.9417, 81.3620,
75.0997

 0.0806, 0.0000,
0.0000

 124.0424,
106.0469, 99.2967

 0.0000, 0.0000,
0.0000

155.7745,

135.2790, 128.2019

192.5034,
169.4425, 162.2338

■ 18.1228, 12.6901,
10.0886

■ 18.1228, 12.6901,
10.0886

■ 16.7250, 10.6762,
7.2131

■ 19.8884, 15.2742,
13.5970

■ 15.6677, 9.1872,
4.9319

■ 22.0445, 18.4650,
17.7726

■ 14.9213, 8.1746,
3.2030

■ 24.6131, 22.2986,
22.6479

■ 14.4506, 7.5794,
1.9784

■ 27.6144, 26.8076,
28.2529

■ 14.2482, 7.3282,
1.4377

■ 31.0671, 32.0223,
34.6161

■ 34.9889, 37.9712,
41.7645

■ 39.3965, 44.6812,
49.7234

■ 44.3057, 52.1780,
58.5174

■ 49.7319, 60.4860,
68.1698

Harmonies

Analogous

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



18.1433, 12.6901, 18.1661



18.1228, 12.6901, 10.0886



16.3170, 12.6901, 5.4219

Triad

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



18.1228, 12.6901, 10.0886



8.5848, 12.6901, 5.4877



10.7315, 12.6901, 35.1009

Complementary

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



18.1228, 12.6901, 10.0886



20.1636, 27.9458, 31.5273

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.



8.6189, 12.6901, 28.1626



18.1228, 12.6901, 10.0886



7.5180, 12.6901, 10.2248

Square

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



18.1228, 12.6901, 10.0886



10.6775, 12.6901, 3.5649



7.5294, 12.6901, 18.3674



13.5603, 12.6901, 35.0176

Rectangle

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



18.1228, 12.6901, 10.0886



14.4852, 12.6901, 3.9301



7.5294, 12.6901, 18.3674



9.9246, 12.6901, 33.4213

Sweetspot

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



18.1231, 12.6908, 10.0888



48.6992, 46.5017, 48.6160



20.2757, 13.2769, 33.8417



10.7371, 10.1198, 10.5093



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.1231, 12.6908, 10.0888



29.8416, 18.6328, 11.9756



20.1290, 17.4017, 8.6022



6.6693, 6.6606, 7.1097



11.4207, 5.8729, 1.2006



0.2138, 0.1088, 0.0717

Inverse Universe

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



18.1231, 12.6908, 10.0888



29.8416, 18.6328, 11.9756



16.6717, 19.3894, 35.2115



6.6693, 6.6606, 7.1097



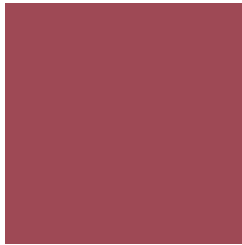
11.4207, 5.8729, 1.2006



0.2138, 0.1088, 0.0717

Previews

White Background



This preview shows how the XYZ color 18.1228, 12.6901, 10.0886 looks on a white background.

Color Contrast Check

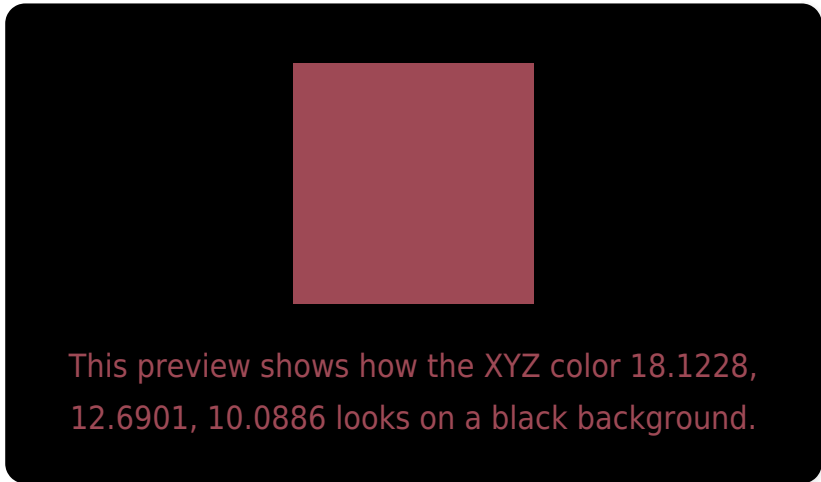
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1228, 12.6901, 10.0886

Background



This preview shows how black text looks on a background with the XYZ color 18.1228, 12.6901, 10.0886.



This preview shows how white text looks on a background with the XYZ color 18.1228, 12.6901,

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

18.1228, 12.6901, 10.0886

Protanopia

12.4028, 12.8988, 13.6404

Deuteranopia

13.0960, 12.9254, 9.5892



Tritanopia

17.9606, 12.7312, 8.9079

Trichromacy



Original Color

18.1228, 12.6901, 10.0886

Protanomaly

13.8449, 12.3314, 12.2402

Deuteranomaly

14.5284, 12.4942, 9.6285

Tritanomaly

18.0345, 12.7607, 9.2971

Monochromacy



Original Color

18.1228, 12.6901, 10.0886

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.6069, 12.2035, 12.4648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1228, 12.6901, 10.0886 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(158, 73, 85)` looks like.

```
.text, #text, p{  
    color:rgb(158, 73, 85)  
}
```

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(158, 73, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 73, 85) }
```

Border

The CSS property to change the border of an element to XYZ 18.1228, 12.6901, 10.0886 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(158, 73, 85) }
```


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

```
.border{ border-color:rgb(158, 73, 85) }
```

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

Here you see how a box with a 4 pixel rgb(158, 73, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 73, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 73, 85);  
box-shadow:4px 4px 4px 4px rgb(158, 73,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1228, 12.6901, 10.0886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 73, 85) }
```

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

```
.background{ background-color: rgb(158, 73,  
85) }
```

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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