

Converting Colors

XYZ(18.0725, 12.6807, 7.2396)

Have a look what the booklet for
XYZ(18.0725, 12.6807, 7.2396)
contains.

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Color

**XYZ(18.1860, 12.7844,
7.3035)**

Conversions

Conversions Part 1

Format	Color
Hex	A14946
RGB	161, 73, 70
RGB Percent	63%, 29%, 27%
CMY	0.3686, 0.7137, 0.7255
CMYK	0.00, 0.55, 0.57, 0.37
HSL	2°, 39%, 45%
HSV	2°, 57%, 63%
XYZ	18.1860, 12.7844, 7.3035
YIQ	98.9700, 53.4110, 17.7230

Conversions

Conversions Part 2

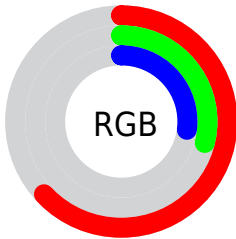
Format	Color
R_{YB}	161, 73, 70
Decimal	10570054
CIE _{Lab}	42.44, 36.24, 19.49
CIE _{LCh}	42, 41.145, 28.275
Yxy	12.7844, 0.4752, 0.3340
Android (android.graphics.Color)	4288760134 (0xFFA14946)
YUV	98.9700, -14.2822, 54.4003
Hunter-Lab	35.7553, 28.2177, 12.9179

Details

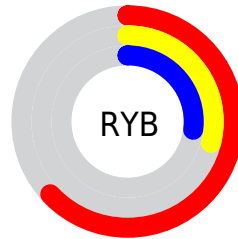
The XYZ color **18.1860, 12.7844, 7.3035** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.1848, 28.3272, 38.0692**, and the grayscale version is **11.8781, 12.4966, 13.6088**.

A 20% lighter version of the original color is **39.6911, 30.7834, 20.9894**, and **6.3104, 3.6562, 1.4100** is the 20% darker color. If you saturate the color by 10%, you get **16.8462, 10.8121, 4.6769**, and if you desaturate by 10%, it is **19.9187, 15.3246, 10.7335**.

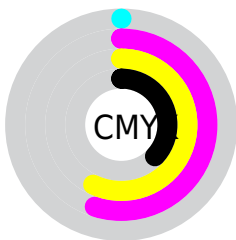
Distribution



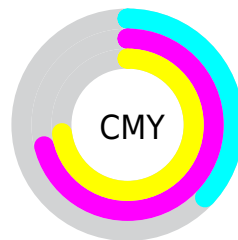
- Red (63%)
- Green (29%)
- Blue (27%)



- Red (63%)
- Yellow (29%)
- Blue (27%)



- Cyan (0%)
- Magenta (55%)
- Yellow (57%)
- Black (37%)



- Cyan (37%)
- Magenta (71%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1860, 12.7844, 7.3035 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 18.1860, 12.7844, 7.3035 by changing the saturation by 10% instead.

■ 18.1860, 12.7844,
7.3035

■ 18.1860, 12.7844,
7.3035

234.9427,
209.5313, 179.8878

■ 11.1841, 7.2803,
3.5713

■ 39.8816, 30.9159,
21.1044

■ 6.2590, 3.6380,
1.3932

■ 55.3060, 44.3120,
32.0102

■ 3.0454, 1.4732,
0.1364

■ 74.2687, 61.1076,
46.1443

■ 1.1778, 0.2697,
0.0000

■ 97.1349, 81.6871,
63.9252

■ 0.0887, 0.0000,
0.0000

■ 124.2701,
106.4348, 85.7714

■ 0.0000, 0.0000,
0.0000

156.0395,

135.7351, 112.1016

192.8086,
169.9725, 143.3342

■ 18.1860, 12.7844,
7.3035

■ 18.1860, 12.7844,
7.3035

■ 16.8462, 10.8121,
4.6769

■ 19.9187, 15.3246,
10.7335

■ 15.8679, 9.3624,
2.7877

■ 22.0708, 18.4697,
15.0244

■ 15.2159, 8.3860,
1.5607

■ 24.6675, 22.2557,
20.2290

■ 14.8452, 7.8226,
0.8883

■ 27.7319, 26.7154,
26.3960

■ 14.7556, 7.6924,
0.7071

■ 31.2854, 31.8793,
33.5704

■ 35.3479, 37.7761,
41.7944

■ 39.9386, 44.4328,
51.1079

■ 45.0754, 51.8751,
61.5486

■ 50.7754, 60.1274,
73.1525

Harmonies

Analogous

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



19.1279, 12.7844, 14.4396



18.1860, 12.7844, 7.3035



15.5591, 12.7844, 3.8696

Triad

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



18.1860, 12.7844, 7.3035



7.7574, 12.7844, 6.7403



11.9729, 12.7844, 38.8710

Complementary

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



18.1860, 12.7844, 7.3035



21.1848, 28.3272, 38.0692

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.



9.2812, 12.7844, 34.0479



18.1860, 12.7844, 7.3035



7.1181, 12.7844, 13.4131

Square

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



18.1860, 12.7844, 7.3035



9.5430, 12.7844, 3.6551



7.6252, 12.7844, 23.6622



15.1959, 12.7844, 34.9882

Rectangle

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



18.1860, 12.7844, 7.3035



13.4018, 12.7844, 3.0089



7.6252, 12.7844, 23.6622



10.9809, 12.7844, 38.1848

Sweetspot

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



18.1863, 12.7851, 7.3037



49.1961, 47.1622, 46.3266



23.1881, 14.4775, 34.5934



10.5552, 10.0026, 9.6881



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.



18.1863, 12.7851, 7.3037



29.6253, 18.5582, 7.3170



22.1666, 20.7457, 8.6305



7.0917, 7.1217, 7.3809



11.7909, 6.1558, 0.5667



0.2531, 0.1400, 0.0137

Inverse Universe

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



21.1848, 28.3272, 38.0692



35.5189, 49.1769, 68.0066



14.9743, 15.9062, 35.9990



7.2560, 7.9709, 9.0592



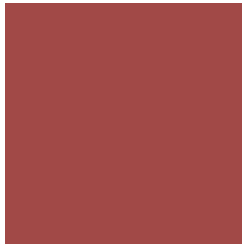
14.5966, 20.9725, 30.2086



0.3125, 0.4522, 0.6367

Previews

White Background



This preview shows how the XYZ color 18.1860, 12.7844, 7.3035 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 18.1860, 12.7844, 7.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

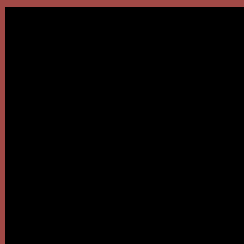
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1860, 12.7844, 7.3035

Background



This preview shows how black text looks on a background with the XYZ color 18.1860, 12.7844, 7.3035.



This preview shows how white text looks on a background with the XYZ color 18.1860, 12.7844,

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

18.1860, 12.7844, 7.3035

Protanopia

12.2401, 13.0424, 9.8549

Deuteranopia

13.0514, 12.8240, 6.9417



Tritanopia

18.3549, 12.7476, 8.5143

Trichromacy



Original Color

18.1860, 12.7844, 7.3035

Protanomaly

13.8686, 12.5443, 8.8981

Deuteranomaly

14.6562, 12.6189, 6.9734

Tritanomaly

18.2513, 12.7062, 7.9692

Monochromacy



Original Color

18.1860, 12.7844, 7.3035

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.4437, 12.1545, 10.8700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1860, 12.7844, 7.3035 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(161, 73, 70)` looks like.

```
.text, #text, p{  
    color:rgb(161, 73, 70)  
}
```

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(161, 73, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 73, 70) }
```

Border

The CSS property to change the border of an element to XYZ 18.1860, 12.7844, 7.3035 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(161, 73, 70) }
```


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

```
.border{ border-color:rgb(161, 73, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 73, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 73, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 73, 70);  
box-shadow:4px 4px 4px 4px rgb(161, 73,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1860, 12.7844, 7.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 73, 70) }
```

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

```
.background{ background-color: rgb(161, 73,  
70) }
```

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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