

Converting Colors

XYZ(17.9821, 12.7574, 6.4040)

Have a look what the booklet for
XYZ(17.9821, 12.7574, 6.4040)
contains.

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Color

**XYZ(18.0721, 12.8448,
6.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	A14A40
RGB	161, 74, 64
RGB Percent	63%, 29%, 25%
CMY	0.3686, 0.7098, 0.7490
CMYK	0.00, 0.54, 0.60, 0.37
HSL	6°, 43%, 44%
HSV	6°, 60%, 63%
XYZ	18.0721, 12.8448, 6.3773
YIQ	98.8730, 55.0620, 15.3340

Conversions

Conversions Part 2

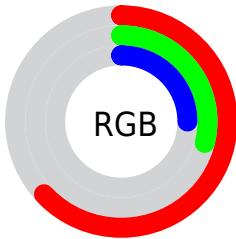
Format	Color
RYB	161, 75, 64
Decimal	10570304
CIELab	42.53, 35.24, 23.24
CIELCh	43, 42.211, 33.407
Yxy	12.8448, 0.4846, 0.3444
Android (android.graphics.Color)	4288760384 (0xFFA14A40)
YUV	98.8730, -17.1924, 54.4854
Hunter-Lab	35.8396, 27.2891, 14.5377

Details

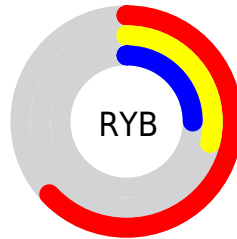
The XYZ color **18.0721, 12.8448, 6.3773** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.6131, 25.7947, 37.6631**, and the grayscale version is **11.8604, 12.4780, 13.5886**.

A 20% lighter version of the original color is **39.7734, 31.0527, 19.2267**, and **6.1709, 3.6505, 1.0888** is the 20% darker color. If you saturate the color by 10%, you get **16.8225, 10.9760, 4.0175**, and if you desaturate by 10%, it is **19.6759, 15.2104, 9.5078**.

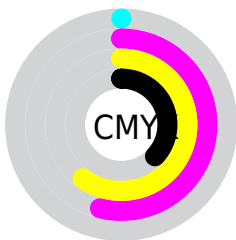
Distribution



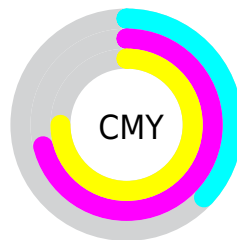
- Red (63%)
- Green (29%)
- Blue (25%)



- Red (63%)
- Yellow (29%)
- Blue (25%)



- Cyan (0%)
- Magenta (54%)
- Yellow (60%)
- Black (37%)



- Cyan (37%)
- Magenta (71%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0721, 12.8448, 6.3773 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 18.0721, 12.8448, 6.3773 by changing the saturation by 10% instead.

■ 18.0721, 12.8448,
6.3773

■ 18.0721, 12.8448,
6.3773

234.3149,
209.9206, 171.8140

■ 11.1018, 7.3218,
3.0034

■ 39.6893, 31.0247,
19.2002

■ 6.2031, 3.6641,
1.0963

■ 55.0668, 44.4503,
29.4861

■ 3.0108, 1.4875,
0.0000

■ 73.9775, 61.2789,
42.9132

■ 1.1595, 0.2799,
0.0000

■ 96.7866, 81.8949,
59.9000

■ 0.0740, 0.0000,
0.0000

■ 123.8595,
106.6827, 80.8649

■ 0.0000, 0.0000,
0.0000

■ 155.5616,

136.0266, 106.2265

192.2583,
170.3111, 136.4034

■ 18.0721, 12.8448,
6.3773

■ 18.0721, 12.8448,
6.3773

■ 16.8225, 10.9760,
4.0175

■ 19.6759, 15.2104,
9.5078

■ 15.8991, 9.5667,
2.3609

■ 21.6571, 18.1027,
13.4676

■ 15.2710, 8.5773,
1.3293

■ 24.0383, 21.5517,
18.3101

■ 14.8922, 7.9658,
0.7526

■ 26.8397, 25.5844,
24.0843

■ 30.0803, 30.2262,
30.8354

■ 33.7780, 35.5008,
38.6058

■ 37.9495, 41.4309,
47.4354

■ 42.6109, 48.0378,
57.3618

■ 47.7774, 55.3420,
68.4208

Harmonies

Analogous

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



19.4046, 12.8448, 12.9685



18.0721, 12.8448, 6.3773



15.1625, 12.8448, 3.4301

Triad

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



18.0721, 12.8448, 6.3773



7.5077, 12.8448, 7.5086



12.5764, 12.8448, 39.8392

Complementary

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



18.0721, 12.8448, 6.3773



19.6131, 25.7947, 37.6631

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.



9.6657, 12.8448, 36.2821



18.0721, 12.8448, 6.3773



7.0561, 12.8448, 15.0550

Square

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



18.0721, 12.8448, 6.3773



9.1358, 12.8448, 3.8553



7.7742, 12.8448, 26.0453



15.9031, 12.8448, 34.3482

Rectangle

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



18.0721, 12.8448, 6.3773



12.9258, 12.8448, 2.7923



7.7742, 12.8448, 26.0453



11.5184, 12.8448, 39.6686

Sweetspot

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



18.0724, 12.8455, 6.3775



49.1147, 47.3219, 45.3048



22.1415, 13.4880, 30.8423



10.4431, 9.9069, 9.2548



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.



18.0724, 12.8455, 6.3775



29.5544, 18.7888, 6.1454



22.6074, 21.9154, 7.8892



7.1299, 7.1981, 7.3937



11.9095, 6.3930, 0.6063



0.2666, 0.1671, 0.0182

Inverse Universe

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



19.6131, 25.7947, 37.6631



32.4945, 43.9176, 67.1508



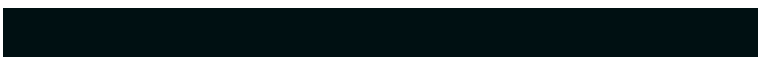
13.3778, 13.3240, 35.5846



7.2134, 7.8858, 9.0450



13.1682, 18.1158, 29.7324



0.2934, 0.4140, 0.6303

Previews

White Background



This preview shows how the XYZ color 18.0721, 12.8448, 6.3773 looks on a white background.

Color Contrast Check

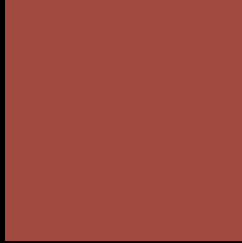
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0721, 12.8448, 6.3773 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 18.0721, 12.8448, 6.3773

Background



This preview shows how black text looks on a background with the XYZ color 18.0721, 12.8448, 6.3773.



This preview shows how white text looks on a background with the XYZ color 18.0721, 12.8448,

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

18.0721, 12.8448, 6.3773

Protanopia

12.1080, 13.0035, 8.5284

Deuteranopia

13.1669, 12.9029, 6.0715



Tritanopia

18.5572, 12.8519, 8.5238

Trichromacy



Original Color

18.0721, 12.8448, 6.3773

Protanomaly

13.6308, 12.4491, 7.6457

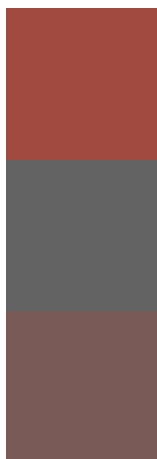
Deuteranomaly

14.6486, 12.6347, 6.0816

Tritanomaly

18.4525, 12.9143, 7.6511

Monochromacy



Original Color

18.0721, 12.8448, 6.3773

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.3619, 12.1218, 10.4396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0721, 12.8448, 6.3773 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, 74, 64)` looks like.

```
.text, #text, p{  
    color:rgb(161, 74, 64)  
}
```

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, 74, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 74, 64) }
```

Border

The CSS property to change the border of an element to XYZ 18.0721, 12.8448, 6.3773 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, 74, 64) }
```


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

```
.border{ border-color:rgb(161, 74, 64) }
```

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

Here you see how a box with a 4 pixel rgb(161, 74, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 74, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 74, 64);  
box-shadow:4px 4px 4px 4px rgb(161, 74,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0721, 12.8448, 6.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 74, 64) }
```

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

```
.background{ background-color: rgb(161, 74,  
64) }
```

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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