

Converting Colors

XYZ(19.3785, 12.4729, 4.7543)

Have a look what the booklet for
XYZ(19.3785, 12.4729, 4.7543)
contains.

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Color

**XYZ(19.3785, 12.4729,
4.7543)**

Conversions

Conversions Part 1

Format	Color
Hex	AC3E35
RGB	172, 62, 53
RGB Percent	67%, 24%, 21%
CMY	0.3255, 0.7568, 0.7922
CMYK	0.00, 0.64, 0.69, 0.33
HSL	5°, 53%, 44%
HSV	5°, 69%, 67%
XYZ	19.3785, 12.4729, 4.7543
YIQ	93.8640, 68.4490, 20.5210

Conversions

Conversions Part 2

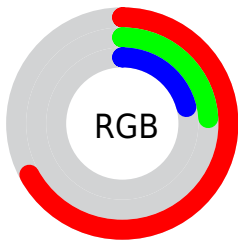
Format	Color
R _Y B	172, 63, 53
Decimal	11288117
CIE Lab	41.96, 44.46, 29.50
CIE LCh	42, 53.360, 33.564
Yxy	12.4729, 0.5294, 0.3407
Android (android.graphics.Color)	4289478197 (0xFFAC3E35)
YUV	93.8640, -20.1460, 68.5253
Hunter-Lab	35.3170, 36.1385, 16.7404

Details

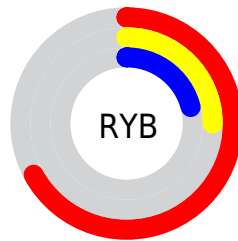
The XYZ color **19.3785, 12.4729, 4.7543** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.0107, 29.9277, 43.6461**, and the grayscale version is **10.6424, 11.1967, 12.1932**.

A 20% lighter version of the original color is **42.0353, 30.5052, 15.7292**, and **6.8594, 3.5304, 0.5784** is the 20% darker color. If you saturate the color by 10%, you get **18.3098, 10.8592, 2.7841**, and if you desaturate by 10%, it is **20.8427, 14.6506, 7.5569**.

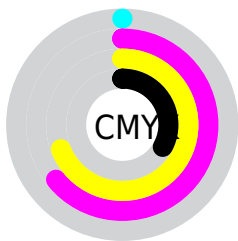
Distribution



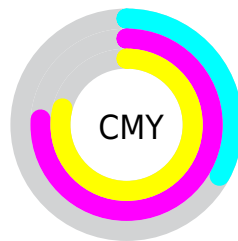
- Red (67%)
- Green (24%)
- Blue (21%)



- Red (67%)
- Yellow (25%)
- Blue (21%)



- Cyan (0%)
- Magenta (64%)
- Yellow (69%)
- Black (33%)





- Cyan (33%)
- Magenta (76%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3785, 12.4729, 4.7543 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 19.3785, 12.4729, 4.7543 by changing the saturation by 10% instead.


 19.3785, 12.4729,
4.7543


 19.3785, 12.4729,
4.7543


241.4286,
207.5114, 156.2729


 12.0497, 7.0666,
2.0476


 41.8846, 30.3535,
15.7151

 6.8500, 3.5038,
0.5843


 57.7927, 43.5966,
24.8063

 3.4140, 1.4001,
0.0000


 77.2913, 60.2208,
36.8628

 1.3763, 0.2168,
0.0000

 100.7457, 80.6104,
52.3030

 0.2392, 0.0000,
0.0000

 128.5212,
105.1499, 71.5456

 0.0000, 0.0000,
0.0000

 160.9833,

134.2236, 95.0091

198.4973,
168.2160, 123.1120

■ 19.3785, 12.4729,
4.7543

■ 19.3785, 12.4729,
4.7543

■ 18.3098, 10.8592,
2.7841

■ 20.8427, 14.6506,
7.5569

■ 17.5970, 9.7555,
1.5539

■ 22.7351, 17.4357,
11.2700

■ 17.1821, 9.0962,
0.8904

■ 25.0863, 20.8698,
15.9633

■ 17.1573, 9.0589,
0.8443

■ 27.9234, 24.9903,
21.6995

■ 31.2719, 29.8316,
28.5361

■ 35.1550, 35.4259,
36.5266

■ 39.5949, 41.8035,
45.7206

■ 44.6123, 48.9928,
56.1652

■ 50.2269, 57.0211,
67.9047

Harmonies

Analogous

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



21.1681, 12.4729, 12.2729



19.3785, 12.4729, 4.7543



15.5689, 12.4729, 1.9301

Triad

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



19.3785, 12.4729, 4.7543



6.2710, 12.4729, 6.0153



12.3336, 12.4729, 48.9228

Complementary

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



19.3785, 12.4729, 4.7543



22.0107, 29.9277, 43.6461

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.



8.7846, 12.4729, 43.8610



19.3785, 12.4729, 4.7543



5.7747, 12.4729, 14.9786

Square

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



19.3785, 12.4729, 4.7543



8.1317, 12.4729, 2.3223



6.5849, 12.4729, 29.5093



16.5704, 12.4729, 40.9720

Rectangle

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



19.3785, 12.4729, 4.7543



12.7272, 12.4729, 1.4045



6.5849, 12.4729, 29.5093



11.0238, 12.4729, 48.6998

Sweetspot

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



19.3788, 12.4736, 4.7545



55.3198, 52.0803, 48.8762



24.9932, 13.9996, 36.5384



11.6633, 10.7995, 9.8881



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.3788, 12.4736, 4.7545



32.4557, 18.5299, 3.7123



24.4245, 22.5651, 6.4364



8.0521, 8.1091, 8.3542



12.7848, 6.7751, 0.6339



0.3711, 0.2193, 0.0228

Inverse Universe

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



22.0107, 29.9277, 43.6461



37.4356, 52.0622, 78.8817



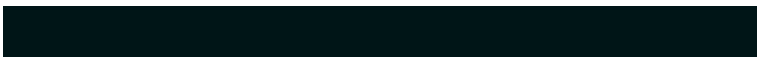
13.9222, 13.7506, 40.9500



8.1837, 8.9668, 10.2521



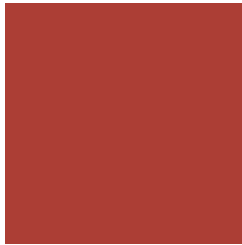
14.7832, 20.7003, 32.2609



0.4263, 0.6059, 0.9025

Previews

White Background



This preview shows how the XYZ color 19.3785, 12.4729, 4.7543 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 19.3785, 12.4729, 4.7543 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 19.3785, 12.4729, 4.7543

Background



This preview shows how black text looks on a background with the XYZ color 19.3785, 12.4729, 4.7543.



This preview shows how white text looks on a background with the XYZ color 19.3785, 12.4729,

4.7543.

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

19.3785, 12.4729, 4.7543

Protanopia

11.7546, 12.7077, 7.1435

Deuteranopia

12.7737, 12.6006, 4.4482



Tritanopia

19.5545, 12.3725, 6.2080

Trichromacy



Original Color

19.3785, 12.4729, 4.7543

Protanomaly

13.5574, 11.8287, 6.1260

Deuteranomaly

14.6321, 12.0710, 4.4645

Tritanomaly

19.4976, 12.4344, 5.6474

Monochromacy



Original Color

19.3785, 12.4729, 4.7543

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.4546, 10.7367, 8.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3785, 12.4729, 4.7543 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(172, 62, 53)` looks like.

```
.text, #text, p{  
    color:rgb(172, 62, 53)  
}
```

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(172, 62, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 62, 53) }
```

Border

The CSS property to change the border of an element to XYZ 19.3785, 12.4729, 4.7543 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(172, 62, 53) }
```


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

```
.border{ border-color:rgb(172, 62, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 62, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 62, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 62, 53);  
box-shadow:4px 4px 4px 4px rgb(172, 62,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3785, 12.4729, 4.7543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 62, 53) }
```

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

```
.background{ background-color: rgb(172, 62,  
53) }
```

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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