

Converting Colors

XYZ(19.7446, 12.5586, 5.7983)

Have a look what the booklet for
XYZ(19.7446, 12.5586, 5.7983)
contains.

XYZ(19.7446, 12.5586, 5.7983)	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(19.7446, 12.5586,
5.7983)**

Conversions

Conversions Part 1

Format	Color
Hex	AD3D3D
RGB	173, 61, 61
RGB Percent	68%, 24%, 24%
CMY	0.3216, 0.7608, 0.7608
CMYK	0.00, 0.65, 0.65, 0.32
HSL	0°, 48%, 46%
HSV	0°, 65%, 68%
XYZ	19.7446, 12.5586, 5.7983
YIQ	94.4880, 66.7520, 23.7440

Conversions

Conversions Part 2

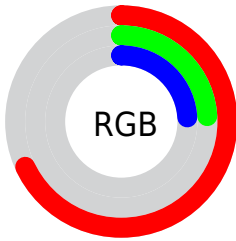
Format	Color
RYB	173, 61, 61
Decimal	11353405
CIELab	42.09, 45.73, 24.91
CIElCh	42, 52.078, 28.577
Yxy	12.5586, 0.5182, 0.3296
Android (android.graphics.Color)	4289543485 (0xFFAD3D3D)
YUV	94.4880, -16.5096, 68.8550
Hunter-Lab	35.4381, 37.4359, 15.1058

Details

The XYZ color **19.7446, 12.5586, 5.7983** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.4096, 33.8939, 44.7906**, and the grayscale version is **10.7825, 11.3440, 12.3536**.

A 20% lighter version of the original color is **42.3819, 30.4624, 18.1141**, and **7.0570, 3.6244, 0.9437** is the 20% darker color. If you saturate the color by 10%, you get **18.5723, 10.8434, 3.4676**, and if you desaturate by 10%, it is **21.3656, 14.9309, 9.0202**.

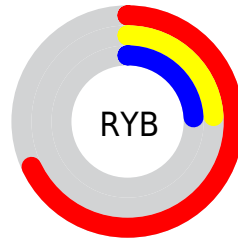
Distribution



Red (68%)

Green (24%)

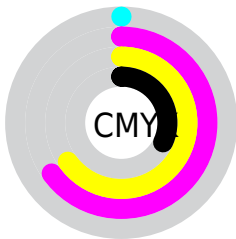
Blue (24%)



Red (68%)

Yellow (24%)

Blue (24%)

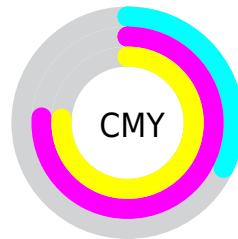


Cyan (0%)

Magenta (65%)

Yellow (65%)

Black (32%)



Cyan (32%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7446, 12.5586, 5.7983 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 19.7446, 12.5586, 5.7983 by changing the saturation by 10% instead.


 19.7446, 12.5586,
5.7983


 19.7446, 12.5586,
5.7983


243.3891,
208.0691, 166.5004


 12.3167, 7.1253,
2.6560


 42.4958, 30.5085,
17.9812


 7.0335, 3.5406,
0.9212


 58.5498, 43.7939,
27.8589

 3.5296, 1.4201,
0.0000

 78.2099, 60.4654,
40.8187

 1.4396, 0.2314,
0.0000

 101.8414, 80.9075,
57.2794

 0.2842, 0.0000,
0.0000

 129.8098,
105.5045, 77.6593

 0.0000, 0.0000,
0.0000

 162.4803,

134.6408, 102.3771

200.2183,
168.7009, 131.8513

■ 19.7446, 12.5586,
5.7983

■ 19.7446, 12.5586,
5.7983

■ 18.5723, 10.8434,
3.4676

■ 21.3656, 14.9309,
9.0202

■ 17.8029, 9.7176,
1.9383

■ 23.4733, 18.0152,
13.2103

■ 17.3822, 9.1019,
1.1020

■ 26.1029, 21.8630,
18.4377

■ 17.2336, 8.8844,
0.8065

■ 29.2859, 26.5206,
24.7652

■ 33.0512, 32.0304,
32.2506

■ 37.4261, 38.4320,
40.9477

■ 42.4358, 45.7626,
50.9069

■ 48.1042, 54.0570,
62.1756

■ 54.4540, 63.3485,
74.7989

Harmonies

Analogous

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



21.0377, 12.5586, 14.2107



19.7446, 12.5586, 5.7983



16.2559, 12.5586, 2.3539

Triad

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



19.7446, 12.5586, 5.7983



6.6422, 12.5586, 5.2958



11.7526, 12.5586, 48.0031

Complementary

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



19.7446, 12.5586, 5.7983



24.4096, 33.8939, 44.7906

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.



8.4594, 12.5586, 41.1476



19.7446, 12.5586, 5.7983



5.9317, 12.5586, 13.1513

Square

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



19.7446, 12.5586, 5.7983



8.7166, 12.5586, 2.1938



6.5178, 12.5586, 26.6256



15.8655, 12.5586, 42.2615

Rectangle

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



19.7446, 12.5586, 5.7983



13.4732, 12.5586, 1.6120



6.5178, 12.5586, 26.6256



10.5214, 12.5586, 47.0488

Sweetspot

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



19.7449, 12.5593, 5.7985



55.9638, 52.6392, 51.3390



26.4450, 15.2389, 41.0825



11.7627, 10.8550, 10.3628



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.



19.7449, 12.5593, 5.7985



32.5409, 18.3645, 4.7762



24.4371, 21.9437, 7.3626



8.0053, 8.0154, 8.3386



12.6607, 6.5270, 0.5925



0.3522, 0.1816, 0.0165

Inverse Universe

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



24.4096, 33.8939, 44.7906



41.5541, 59.5873, 80.1171



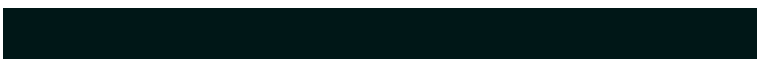
15.8286, 16.7318, 41.9302



8.2363, 9.0720, 10.2697



16.5184, 24.1706, 32.8393



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 19.7446, 12.5586, 5.7983 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 19.7446, 12.5586, 5.7983 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 19.7446, 12.5586, 5.7983

Background



This preview shows how black text looks on a background with the XYZ color 19.7446, 12.5586, 5.7983.



This preview shows how white text looks on a background with the XYZ color 19.7446, 12.5586,

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

19.7446, 12.5586, 5.7983

Protanopia

11.9251, 12.7619, 8.6723

Deuteranopia

12.8078, 12.5978, 5.3710



Tritanopia

19.8277, 12.5919, 6.2359

Trichromacy



Original Color

19.7446, 12.5586, 5.7983

Protanomaly

13.8252, 11.9358, 7.5364

Deuteranomaly

14.8163, 12.1446, 5.4341

Tritanomaly

19.7995, 12.5806, 6.0874

Monochromacy



Original Color

19.7446, 12.5586, 5.7983

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.7087, 10.8547, 9.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7446, 12.5586, 5.7983 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(173, 61, 61)` looks like.

```
.text, #text, p{  
    color:rgb(173, 61, 61)  
}
```

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(173, 61, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 61, 61) }
```

Border

The CSS property to change the border of an element to XYZ 19.7446, 12.5586, 5.7983 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(173, 61, 61) }
```


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

```
.border{ border-color:rgb(173, 61, 61) }
```

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

Here you see how a box with a 4 pixel rgb(173, 61, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 61, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 61, 61);  
box-shadow:4px 4px 4px 4px rgb(173, 61,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7446, 12.5586, 5.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 61, 61) }
```

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

```
.background{ background-color: rgb(173, 61,  
61) }
```

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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