

Converting Colors

XYZ(19.6572, 12.2203, 5.1936)

Have a look what the booklet for
XYZ(19.6572, 12.2203, 5.1936)
contains.

XYZ(19.6572, 12.2203, 5.1936)	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(19.6572, 12.2203,
5.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	AE3939
RGB	174, 57, 57
RGB Percent	68%, 22%, 22%
CMY	0.3176, 0.7764, 0.7765
CMYK	0.00, 0.67, 0.67, 0.32
HSL	0°, 51%, 45%
HSV	0°, 67%, 68%
XYZ	19.6572, 12.2203, 5.1936
YIQ	91.9830, 69.7320, 24.8040

Conversions

Conversions Part 2

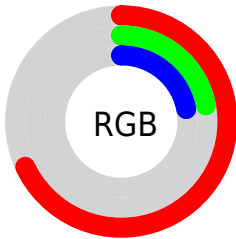
Format	Color
RYB	174, 57, 57
Decimal	11417913
CIELab	41.56, 47.56, 26.72
CIElCh	42, 54.554, 29.322
Yxy	12.2203, 0.5303, 0.3296
Android (android.graphics.Color)	4289607993 (0xFFAE3939)
YUV	91.9830, -17.2466, 71.9289
Hunter-Lab	34.9575, 39.1978, 15.6616

Details

The XYZ color **19.6572, 12.2203, 5.1936** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.4620, 34.1952, 45.3553**, and the grayscale version is **10.1966, 10.7276, 11.6823**.

A 20% lighter version of the original color is **42.3356, 29.8135, 16.6200**, and **7.1565, 3.6793, 0.7849** is the 20% darker color. If you saturate the color by 10%, you get **18.5774, 10.6404, 3.0467**, and if you desaturate by 10%, it is **21.1810, 14.4504, 8.2224**.

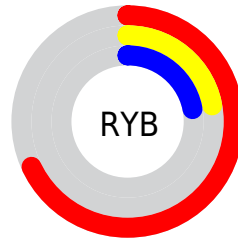
Distribution



Red (68%)

Green (22%)

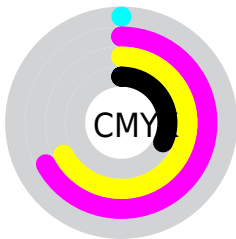
Blue (22%)



Red (68%)

Yellow (22%)

Blue (22%)

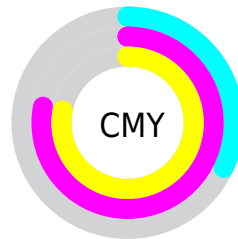


Cyan (0%)

Magenta (67%)

Yellow (67%)

Black (32%)



Cyan (32%)


Magenta (78%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6572, 12.2203, 5.1936 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 19.6572, 12.2203, 5.1936 by changing the saturation by 10% instead.


 19.6572, 12.2203,
5.1936


 19.6572, 12.2203,
5.1936


242.9223,
205.8583, 160.6895


 12.2529, 6.8939,
2.3006


 42.3500, 29.8957,
16.6804


 6.9896, 3.3958,
0.7315


 58.3693, 43.0135,
26.1113

 3.5019, 1.3417,
0.0000

 77.9910, 59.4972,
38.5586

 1.4244, 0.1732,
0.0000

 101.5804, 79.7312,
54.4408

 0.2735, 0.0000,
0.0000

 129.5028,
104.1000, 74.1764

 0.0000, 0.0000,
0.0000

 162.1238,

132.9878, 98.1841

199.8085,
166.7791, 126.8822

■ 19.6572, 12.2203,
5.1936

■ 19.6572, 12.2203,
5.1936

■ 18.5774, 10.6404,
3.0467

■ 21.1810, 14.4504,
8.2224

■ 17.8932, 9.6392,
1.6867

■ 23.1888, 17.3884,
12.2137

■ 17.5340, 9.1136,
0.9728

■ 25.7170, 21.0880,
17.2396

■ 17.4556, 8.9988,
0.8169

■ 28.7984, 25.5969,
23.3653

■ 32.4631, 30.9594,
30.6505

■ 36.7389, 37.2161,
39.1507

■ 41.6520, 44.4053,
48.9178

■ 47.2269, 52.5630,
60.0007

■ 53.4870, 61.7231,
72.4457

Harmonies

Analogous

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



21.0836, 12.2203, 13.5673



19.6572, 12.2203, 5.1936



15.9789, 12.2203, 1.9503

Triad

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



19.6572, 12.2203, 5.1936



6.1933, 12.2203, 4.9570



11.5246, 12.2203, 49.5143

Complementary

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



19.6572, 12.2203, 5.1936



24.4620, 34.1952, 45.3553

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.



8.1282, 12.2203, 42.5035



19.6572, 12.2203, 5.1936



5.5150, 12.2203, 13.0478

Square

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



19.6572, 12.2203, 5.1936



8.2526, 12.2203, 1.8790



6.1339, 12.2203, 27.2028



15.7854, 12.2203, 43.0693

Rectangle

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



19.6572, 12.2203, 5.1936



13.0933, 12.2203, 1.2938



6.1339, 12.2203, 27.2028



10.2525, 12.2203, 48.6111

Sweetspot

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



19.6575, 12.2210, 5.1938



56.6994, 52.9590, 51.2517



26.5586, 14.9809, 41.5360



12.1916, 11.1702, 10.5754



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.6575, 12.2210, 5.1938



32.9697, 18.2354, 4.0792



24.3819, 21.6699, 6.7686



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.



24.4620, 34.1952, 45.3553



42.3121, 60.9646, 82.1741



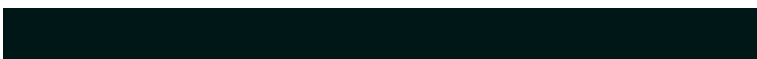
15.5152, 16.3017, 42.3730



8.2363, 9.0720, 10.2697



16.5183, 24.1704, 32.8393



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 19.6572, 12.2203, 5.1936 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 19.6572, 12.2203, 5.1936 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 19.6572, 12.2203, 5.1936

Background



This preview shows how black text looks on a background with the XYZ color 19.6572, 12.2203, 5.1936.

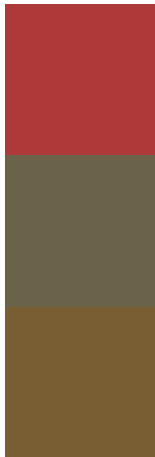


This preview shows how white text looks on a background with the XYZ color 19.6572, 12.2203,

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

19.6572, 12.2203, 5.1936

Protanopia

11.6083, 12.4689, 8.0982

Deuteranopia

12.6263, 12.3820, 4.8565



Tritanopia

19.7343, 12.2512, 5.5996

Trichromacy



Original Color

19.6572, 12.2203, 5.1936

Protanomaly

13.5435, 11.5712, 6.8298

Deuteranomaly

14.5695, 11.8046, 4.8788

Tritanomaly

19.7081, 12.2407, 5.4616

Monochromacy



Original Color

19.6572, 12.2203, 5.1936

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.2333, 10.2941, 8.7393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6572, 12.2203, 5.1936 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(174, 57, 57)` looks like.

```
.text, #text, p{  
    color:rgb(174, 57, 57)  
}
```

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(174, 57, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 57, 57) }
```

Border

The CSS property to change the border of an element to XYZ 19.6572, 12.2203, 5.1936 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(174, 57, 57) }
```


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

```
.border{ border-color:rgb(174, 57, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 57, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 57, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 57, 57);  
box-shadow:4px 4px 4px 4px rgb(174, 57,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6572, 12.2203, 5.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 57, 57) }
```

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

```
.background{ background-color: rgb(174, 57,  
57) }
```

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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