

Converting Colors

XYZ(19.7838, 10.1860, 1.5123)

Have a look what the booklet for
XYZ(19.7838, 10.1860, 1.5123)
contains.

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Color

**XYZ(19.8763, 10.2340,
1.5000)**

Conversions

Conversions Part 1

Format	Color
Hex	B80012
RGB	184, 0, 18
RGB Percent	72%, 0%, 7%
CMY	0.2784, 0.9999, 0.9294
CMYK	0.00, 1.00, 0.90, 0.28
HSL	354°, 100%, 36%
HSV	354°, 100%, 72%
XYZ	19.8763, 10.2340, 1.5000
YIQ	57.0680, 103.8860, 44.6060

Conversions

Conversions Part 2

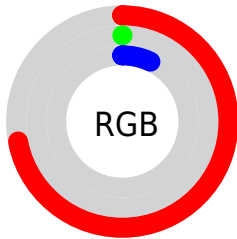
Format	Color
RYB	184, 0, 18
Decimal	12058642
CIELab	38.26, 62.91, 45.61
CIELCh	38, 77.698, 35.942
Yxy	10.2340, 0.6288, 0.3238
Android (android.graphics.Color)	4290248722 (0xFFB80012)
YUV	57.0680, -19.2605, 111.3194
Hunter-Lab	31.9906, 54.9214, 19.6134

Details

The XYZ color **19.8763, 10.2340, 1.5000** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **24.0268, 37.0353, 41.9748**, and the grayscale version is **3.9153, 4.1192, 4.4858**.

A 20% lighter version of the original color is **42.5792, 26.2115, 7.6656**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **19.8759, 10.2338, 1.4987**, and if you desaturate by 10%, it is **20.2879, 10.7561, 2.5662**.

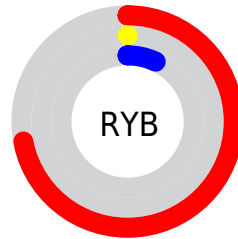
Distribution



Red (72%)

Green (0%)

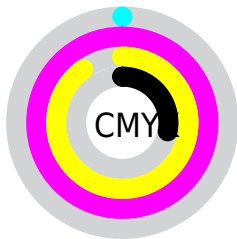
Blue (7%)



Red (72%)

Yellow (0%)

Blue (7%)

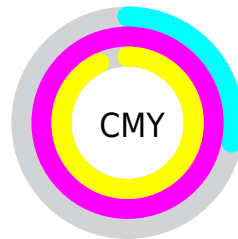


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8763, 10.2340, 1.5000 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 19.8763, 10.2340, 1.5000 by changing the saturation by 10% instead.


 19.8763, 10.2340,
1.5000


 19.8763, 10.2340,
1.5000


 244.0910,
192.3341, 114.0537


 12.4129, 5.5544,
0.2179


 42.7152, 26.2347,
7.6223


 7.0997, 2.5761,
0.0000


 58.8215, 38.3246,
13.4756


 3.5714, 0.9146,
0.0000

 78.5393, 53.6533,
21.7484

 1.4627, 0.0000,
0.0000

 102.2342, 72.6054,
32.8592

 0.3002, 0.0000,
0.0000


 130.2715, 95.5651,
47.2266


 0.0000, 0.0000,
0.0000


 163.0165,


122.9168, 65.2692


 200.8345,
155.0450, 87.4054


 19.8763, 10.2340,
1.5000


 19.8763, 10.2340,
1.5000


 19.8759, 10.2338,
1.4987

 20.2879, 10.7561,
2.5662

 21.0255, 11.7439,
4.3145

 22.1819, 13.3599,
6.8479

 23.8078, 15.6856,
10.2452

 25.9467, 18.7903,
14.5751

■ 28.6372, 22.7349,
19.8997

■ 31.9138, 27.5744,
26.2755

■ 35.8087, 33.3591,
33.7549

■ 40.3513, 40.1355,
42.3867

Harmonies

Analogous

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



22.9067, 10.2340, 8.5090



19.8763, 10.2340, 1.5000



14.2386, 10.2340, 0.0000

Triad

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



19.8763, 10.2340, 1.5000



3.2886, 10.2340, 3.2243



10.7656, 10.2340, 67.8525

Complementary

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



19.8763, 10.2340, 1.5000



24.0268, 37.0353, 41.9748

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.



6.2861, 10.2340, 60.5836



19.8763, 10.2340, 1.5000



2.9199, 10.2340, 14.2714

Square

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



19.8763, 10.2340, 1.5000



5.0743, 10.2340, 0.2139



3.8001, 10.2340, 36.6754



16.5992, 10.2340, 52.1244

Rectangle

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



19.8763, 10.2340, 1.5000



10.4294, 10.2340, 0.0000



3.8001, 10.2340, 36.6754



9.0570, 10.2340, 68.1181

Sweetspot

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



19.8765, 10.2347, 1.5001



57.5168, 49.4884, 46.9817



24.2947, 11.5255, 46.2911



11.8403, 9.8416, 9.0439



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.8765, 10.2347, 1.5001



35.9922, 18.5363, 2.5131



22.1907, 15.0373, 1.7339



9.0393, 9.0261, 9.5543



13.7110, 7.0581, 1.0988



0.4953, 0.2536, 0.1015

Inverse Universe

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



19.8765, 10.2347, 1.5001



35.9922, 18.5363, 2.5131



14.2727, 14.7021, 47.4325



9.0393, 9.0261, 9.5543



13.7110, 7.0581, 1.0988



0.4953, 0.2536, 0.1015

Previews

White Background



This preview shows how the XYZ color 19.8763, 10.2340, 1.5000 looks on a white background.

Color Contrast Check

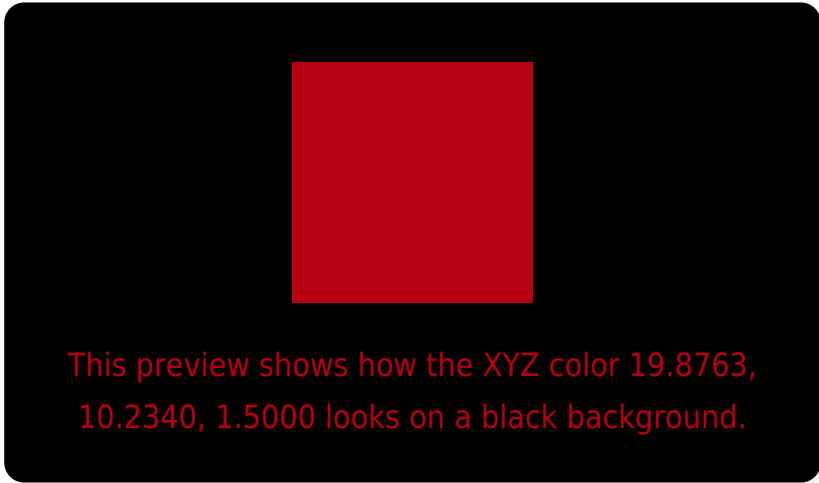
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 19.8763, 10.2340, 1.5000

Background



This preview shows how black text looks on a background with the XYZ color 19.8763, 10.2340, 1.5000.



This preview shows how white text looks on a background with the XYZ color 19.8763, 10.2340,

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

19.8763, 10.2340, 1.5000

Protanopia

9.9120, 10.8873, 3.0924

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

19.7289, 10.4682, 0.9807

Trichromacy



Original Color

19.8763, 10.2340, 1.5000

Protanomaly

11.4464, 8.1983, 2.0777

Deuteranomaly

12.4370, 8.5064, 1.1874

Tritanomaly

19.6865, 10.3220, 1.1558

Monochromacy



Original Color

19.8763, 10.2340, 1.5000

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.6604, 4.3197, 2.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8763, 10.2340, 1.5000 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(184, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 18)  
}
```

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(184, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 18) }
```

Border

The CSS property to change the border of an element to XYZ 19.8763, 10.2340, 1.5000 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(184, 0, 18) }
```


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

```
.border{ border-color:rgb(184, 0, 18) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 18)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8763, 10.2340, 1.5000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 18) }
```

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

```
.background{ background-color: rgb(184, 0,  
18) }
```

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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