

Converting Colors

XYZ(19.7752, 10.5435, 4.4829)

Have a look what the booklet for
XYZ(19.7752, 10.5435, 4.4829)
contains.

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Color

**XYZ(19.7752, 10.5435,
4.4829)**

Conversions

Conversions Part 1

Format	Color
Hex	B41636
RGB	180, 22, 54
RGB Percent	71%, 9%, 21%
CMY	0.2941, 0.9137, 0.7882
CMYK	0.00, 0.88, 0.70, 0.29
HSL	348°, 78%, 40%
HSV	348°, 88%, 71%
XYZ	19.7752, 10.5435, 4.4829
YIQ	72.8900, 83.8960, 43.4480

Conversions

Conversions Part 2

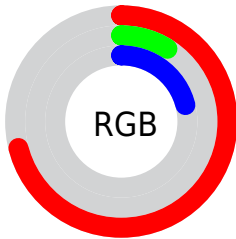
Format	Color
R_{YB}	180, 22, 54
Decimal	11802166
CIE Lab	38.80, 60.07, 25.42
CIE LCh	39, 65.225, 22.941
Yxy	10.5435, 0.5682, 0.3030
Android (android.graphics.Color)	4289992246 (0xFFB41636)
YUV	72.8900, -9.3128, 93.9355
Hunter-Lab	32.4708, 51.8855, 14.5440

Details

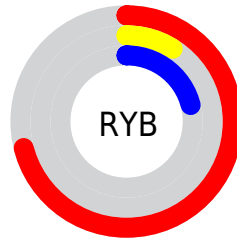
The XYZ color **19.7752, 10.5435, 4.4829** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.9992, 34.9518, 33.6114**, and the grayscale version is **6.3208, 6.6500, 7.2418**.

A 20% lighter version of the original color is **42.4079, 26.7768, 14.9899**, and **7.6741, 3.9485, 0.7055** is the 20% darker color. If you saturate the color by 10%, you get **19.2429, 9.9413, 2.8806**, and if you desaturate by 10%, it is **20.6360, 11.6438, 6.6859**.

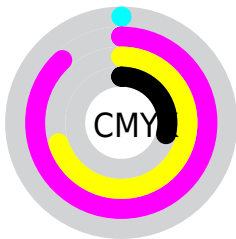
Distribution



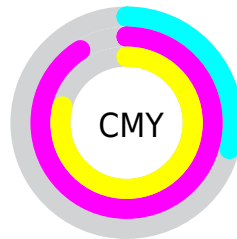
- Red (71%)
- Green (9%)
- Blue (21%)



- Red (71%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (88%)
- Yellow (70%)
- Black (29%)





- Cyan (29%)
- Magenta (91%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7752, 10.5435, 4.4829 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 19.7752, 10.5435, 4.4829 by changing the saturation by 10% instead.


 19.7752, 10.5435,
4.4829


 19.7752, 10.5435,
4.4829


243.5524,
194.5083, 153.4504


 12.3391, 5.7608,
1.8938


 42.5468, 26.8129,
15.1090


 7.0489, 2.7002,
0.4888


 58.6130, 39.0683,
23.9831


 3.5393, 0.9773,
0.0000

 78.2865, 54.5834,
35.7893

 1.4449, 0.0000,
0.0000

 101.9328, 73.7427,
50.9461

 0.2879, 0.0000,
0.0000

 129.9171, 96.9304,
69.8721

 0.0000, 0.0000,
0.0000

 162.6050,

124.5309, 92.9858

200.3616,
156.9288, 120.7057

■ 19.7752, 10.5435,
4.4829

■ 19.7752, 10.5435,
4.4829

■ 19.2429, 9.9413,
2.8806

■ 20.6360, 11.6438,
6.6859

■ 19.1475, 9.8333,
2.5933

■ 21.8866, 13.3514,
9.5491

■ 23.5689, 15.7391,
13.1218

■ 25.7194, 18.8691,
17.4484

■ 28.3703, 22.7965,
22.5695

■ 31.5512, 27.5711,
28.5228

■ 35.2891, 33.2386,
35.3433

■ 39.6092, 39.8415,
43.0644

■ 44.5353, 47.4195,
51.7174

Harmonies

Analogous

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



20.7240, 10.5435, 14.6569



19.7752, 10.5435, 4.4829



15.9029, 10.5435, 1.0399

Triad

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



19.7752, 10.5435, 4.4829



4.7491, 10.5435, 2.2863



9.0353, 10.5435, 54.9316

Complementary

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



19.7752, 10.5435, 4.4829



21.9992, 34.9518, 33.6114

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.



5.8047, 10.5435, 42.8245



19.7752, 10.5435, 4.4829



3.8341, 10.5435, 8.7991

Square

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



19.7752, 10.5435, 4.4829



7.1213, 10.5435, 0.4776



4.1555, 10.5435, 23.4644



13.6178, 10.5435, 50.2439

Rectangle

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



19.7752, 10.5435, 4.4829



12.6593, 10.5435, 0.3176



4.1555, 10.5435, 23.4644



7.7779, 10.5435, 52.5095

Sweetspot

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



19.7754, 10.5442, 4.4831



58.0465, 51.2566, 53.2617



20.3388, 9.9598, 44.0303



12.0881, 10.3878, 10.6654



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.7754, 10.5442, 4.4831



34.6521, 17.8034, 4.3517



20.9614, 13.7495, 2.3092



8.5644, 8.5325, 9.2045



13.3838, 6.8711, 1.9153



0.4416, 0.2244, 0.1683

Inverse Universe

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



19.7754, 10.5442, 4.4831



34.6521, 17.8034, 4.3517



17.2668, 20.8606, 46.2962



8.5644, 8.5325, 9.2045



13.3838, 6.8711, 1.9153



0.4416, 0.2244, 0.1683

Previews

White Background



This preview shows how the XYZ color 19.7752, 10.5435, 4.4829 looks on a white background.

Color Contrast Check

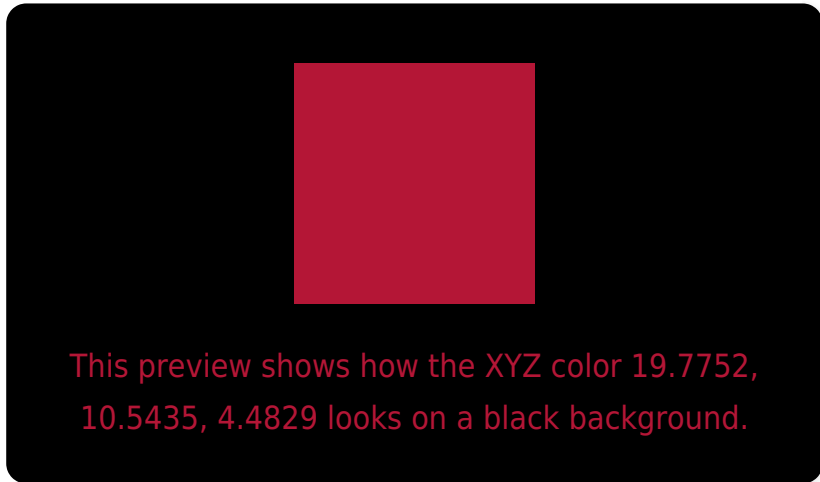
Large Text (above 18pt) WCAG AA ✓ Pass

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

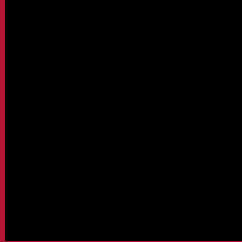
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7752, 10.5435, 4.4829

Background



This preview shows how black text looks on a background with the XYZ color 19.7752, 10.5435, 4.4829.



This preview shows how white text looks on a background with the XYZ color 19.7752, 10.5435,

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

19.7752, 10.5435, 4.4829

Protanopia

10.3265, 10.9754, 8.7819

Deuteranopia

11.1163, 10.9791, 4.0159



Tritanopia

19.2276, 10.5416, 2.0582

Trichromacy



Original Color

19.7752, 10.5435, 4.4829

Protanomaly

11.9834, 9.0332, 6.7422

Deuteranomaly

13.0713, 9.4830, 3.9378

Tritanomaly

19.2937, 10.4561, 2.7516

Monochromacy



Original Color

19.7752, 10.5435, 4.4829

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.9846, 6.4764, 5.9308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7752, 10.5435, 4.4829 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(180, 22, 54)` looks like.

```
.text, #text, p{  
    color:rgb(180, 22, 54)  
}
```

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(180, 22, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 22, 54) }
```

Border

The CSS property to change the border of an element to XYZ 19.7752, 10.5435, 4.4829 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(180, 22, 54) }
```


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

```
.border{ border-color:rgb(180, 22, 54) }
```

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

Here you see how a box with a 4 pixel rgb(180, 22, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 22, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 22, 54);  
box-shadow:4px 4px 4px 4px rgb(180, 22,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7752, 10.5435, 4.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 22, 54) }
```

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

```
.background{ background-color: rgb(180, 22,  
54) }
```

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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