

Converting Colors

XYZ(19.6676, 10.7590, 1.8443)

Have a look what the booklet for
XYZ(19.6676, 10.7590, 1.8443)
contains.

XYZ(19.6501, 10.7643, 1.8527)	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(19.6501, 10.7643,
1.8527)**

Conversions

Conversions Part 1

Format	Color
Hex	B51D17
RGB	181, 29, 23
RGB Percent	71%, 11%, 9%
CMY	0.2902, 0.8862, 0.9098
CMYK	0.00, 0.84, 0.87, 0.29
HSL	2°, 77%, 40%
HSV	2°, 87%, 71%
XYZ	19.6501, 10.7643, 1.8527
YIQ	73.7640, 92.5180, 30.3580

Conversions

Conversions Part 2

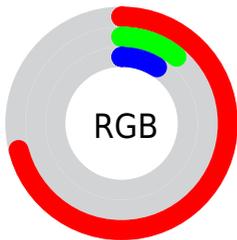
Format	Color
RYB	181, 29, 23
Decimal	11869463
CIELab	39.18, 57.80, 43.70
CIElCh	39, 72.462, 37.088
Yxy	10.7643, 0.6090, 0.3336
Android (android.graphics.Color)	4290059543 (0xFFB51D17)
YUV	73.7640, -25.0267, 94.0460
Hunter-Lab	32.8090, 49.4922, 19.6182

Details

The XYZ color **19.6501, 10.7643, 1.8527** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **24.0214, 34.1735, 49.0459**, and the grayscale version is **6.4996, 6.8381, 7.4467**.

A 20% lighter version of the original color is **42.4715, 27.3243, 8.6659**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.2095, 10.0879, 1.0754**, and if you desaturate by 10%, it is **20.4516, 11.9719, 3.3400**.

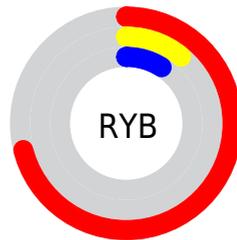
Distribution



Red (71%)

Green (11%)

Blue (9%)



Red (71%)

Yellow (11%)

Blue (9%)

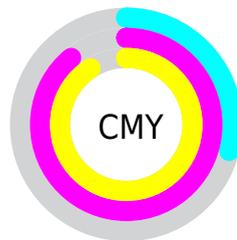


Cyan (0%)

Magenta (84%)

Yellow (87%)

Black (29%)



Cyan (29%)

Magenta (89%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6501, 10.7643, 1.8527 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 19.6501, 10.7643, 1.8527 by changing the saturation by 10% instead.

 19.6501, 10.7643,
1.8527

 19.6501, 10.7643,
1.8527

242.8844,
196.0433, 120.0459

 12.2477, 5.9086,
0.4624

 42.3382, 27.2235,
8.6340

 6.9860, 2.7896,
0.0000

 58.3547, 39.5957,
14.9442

 3.4996, 1.0229,
0.0000

 77.9732, 55.2423,
23.7587

 1.4231, 0.0000,
0.0000

 101.5591, 74.5475,
35.4962

 0.2726, 0.0000,
0.0000

 129.4779, 97.8959,
50.5751

 0.0000, 0.0000,
0.0000

 162.0948,

125.6717, 69.4140

 199.7751,
158.2593, 92.4314

 19.6501, 10.7643,
1.8527

 19.6501, 10.7643,
1.8527

 19.2095, 10.0879,
1.0754

 20.4516, 11.9719,
3.3400

 19.1307, 9.9732,
0.9167

 21.6748, 13.7899,
5.6844

 23.3670, 16.2855,
8.9889

 25.5694, 19.5164,
13.3418

 28.3183, 23.5342,
18.8212

■ 31.6471, 28.3858,
25.4980

■ 35.5862, 34.1146,
33.4374

■ 40.1641, 40.7609,
42.6995

■ 45.4072, 48.3624,
53.3410

Harmonies

Analogous

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



22.5988, 10.7643, 8.7167



19.6501, 10.7643, 1.8527



14.3204, 10.7643, 0.0565

Triad

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



19.6501, 10.7643, 1.8527



3.8089, 10.7643, 4.0805



11.4290, 10.7643, 63.4432

Complementary

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



19.6501, 10.7643, 1.8527



24.0214, 34.1735, 49.0459

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.



7.0054, 10.7643, 57.7406



19.6501, 10.7643, 1.8527



3.4744, 10.7643, 15.3455

Square

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



19.6501, 10.7643, 1.8527



5.5647, 10.7643, 0.6816



4.4378, 10.7643, 36.4236



16.9697, 10.7643, 48.6913

Rectangle

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



19.6501, 10.7643, 1.8527



10.7135, 10.7643, 0.0000



4.4378, 10.7643, 36.4236



9.7635, 10.7643, 63.9690

Sweetspot

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



19.6503, 10.7650, 1.8529



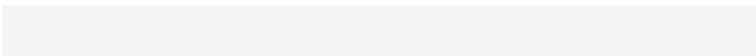
57.2411, 51.6560, 46.7960



27.1725, 13.5606, 42.1212



11.9009, 10.4789, 9.1676



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.



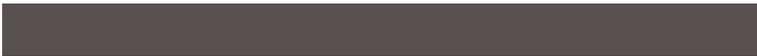
19.6503, 10.7650, 1.8529



34.2259, 17.7879, 1.6295



24.4962, 20.4568, 3.4681



8.5214, 8.5554, 8.8548



13.2001, 6.8987, 0.6359



0.4239, 0.2341, 0.0229

Inverse Universe

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



24.0214, 34.1735, 49.0459



42.0452, 60.1902, 87.6965



12.9440, 12.0187, 45.3535



8.7144, 9.5750, 10.8952



16.2112, 23.2228, 33.7650



0.5186, 0.7477, 1.0652

Previews

White Background



This preview shows how the XYZ color 19.6501, 10.7643, 1.8527 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 19.6501, 10.7643, 1.8527

Background



This preview shows how black text looks on a background with the XYZ color 19.6501, 10.7643, 1.8527.



This preview shows how white text looks on a background with the XYZ color 19.6501, 10.7643,

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

19.6501, 10.7643, 1.8527

Protanopia

10.0615, 11.0884, 3.4437

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

19.6932, 10.7816, 2.0800

Trichromacy



Original Color

19.6501, 10.7643, 1.8527

Protanomaly

11.9804, 9.3957, 2.6210

Deuteranomaly

13.0355, 9.6946, 1.4139

Tritanomaly

19.6819, 10.7771, 2.0201

Monochromacy



Original Color

19.6501, 10.7643, 1.8527

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.0127, 6.8127, 4.4544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6501, 10.7643, 1.8527 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(181, 29, 23)` looks like.

```
.text, #text, p{  
    color:rgb(181, 29, 23)  
}
```

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(181, 29, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 29, 23) }
```

Border

The CSS property to change the border of an element to XYZ 19.6501, 10.7643, 1.8527 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(181, 29, 23) }
```


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

```
.border{ border-color:rgb(181, 29, 23) }
```

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

Here you see how a box with a 4 pixel rgb(181, 29, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 29, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 29, 23);  
box-shadow:4px 4px 4px 4px rgb(181, 29,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6501, 10.7643, 1.8527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 29, 23) }
```

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

```
.background{ background-color: rgb(181, 29,  
23) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor