

Converting Colors

XYZ(19.0108, 8.7344, 1.3687)

Have a look what the booklet for
XYZ(19.0108, 8.7344, 1.3687)
contains.

XYZ(19.6547, 10.1178, 1.5788)	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(19.6547, 10.1178,
1.5788)**

Conversions

Conversions Part 1

Format	Color
Hex	B70014
RGB	183, 0, 20
RGB Percent	72%, 0%, 8%
CMY	0.2824, 0.9999, 0.9216
CMYK	0.00, 1.00, 0.89, 0.28
HSL	353°, 100%, 36%
HSV	353°, 100%, 72%
XYZ	19.6547, 10.1178, 1.5788
YIQ	56.9970, 102.6480, 45.0160

Conversions

Conversions Part 2

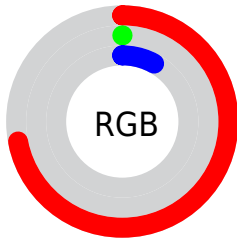
Format	Color
RYB	183, 0, 20
Decimal	11993108
CIELab	38.05, 62.69, 44.42
CIElCh	38, 76.832, 35.325
Yxy	10.1178, 0.6269, 0.3227
Android (android.graphics.Color)	4290183188 (0xFFB70014)
YUV	56.9970, -18.2395, 110.5046
Hunter-Lab	31.8085, 54.6316, 19.3231

Details

The XYZ color **19.6547, 10.1178, 1.5788** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.5477, 36.5125, 40.4729**, and the grayscale version is **3.9048, 4.1082, 4.4738**.

A 20% lighter version of the original color is **42.1806, 25.8931, 7.7757**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **19.6543, 10.1176, 1.5774**, and if you desaturate by 10%, it is **20.0731, 10.6400, 2.6892**.

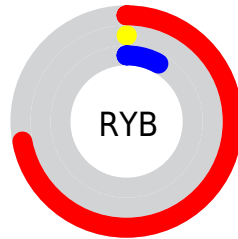
Distribution



Red (72%)

Green (0%)

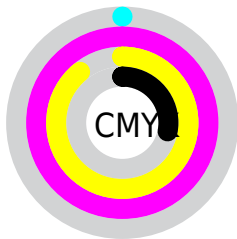
Blue (8%)



Red (72%)

Yellow (0%)

Blue (8%)

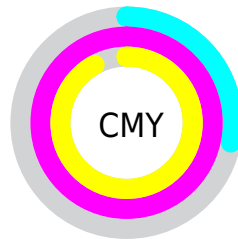


Cyan (0%)

Magenta (100%)

Yellow (89%)

Black (28%)



Cyan (28%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6547, 10.1178, 1.5788 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 19.6547, 10.1178, 1.5788 by changing the saturation by 10% instead.


 19.6547, 10.1178,
1.5788


 19.6547, 10.1178,
1.5788


242.9090,
191.5108, 115.4496


 12.2511, 5.4771,
0.2756


 42.3459, 26.0168,
7.8535

 6.9883, 2.5298,
0.0000


 58.3642, 38.0440,
13.8131


 3.5011, 0.8915,
0.0000

 77.9847, 53.3021,
22.2122

 1.4239, 0.0000,
0.0000

 101.5729, 72.1756,
33.4694


 0.2732, 0.0000,
0.0000


 129.4940, 95.0488,
48.0032


 0.0000, 0.0000,
0.0000


 162.1135,


122.3061, 66.2321


 199.7967,
154.3320, 88.5748


 19.6547, 10.1178,
1.5788


 19.6547, 10.1178,
1.5788


 19.6543, 10.1176,
1.5774

 20.0731, 10.6400,
2.6892

 20.8121, 11.6211,
4.4670

 21.9627, 13.2219,
7.0099

 23.5744, 15.5224,
10.3921

 25.6895, 18.5908,
14.6790

■ 28.3455, 22.4870,
19.9293

■ 31.5765, 27.2652,
26.1970

■ 35.4134, 32.9747,
33.5318

■ 39.8853, 39.6615,
41.9803

Harmonies

Analogous

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



22.5403, 10.1178, 8.6766



19.6547, 10.1178, 1.5788



14.1604, 10.1178, 0.0000

Triad

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



19.6547, 10.1178, 1.5788



3.3034, 10.1178, 3.1074



10.5268, 10.1178, 66.5090

Complementary

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



19.6547, 10.1178, 1.5788



23.5477, 36.5125, 40.4729

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.



6.1666, 10.1178, 58.9553



19.6547, 10.1178, 1.5788



2.9138, 10.1178, 13.7434

Square

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



19.6547, 10.1178, 1.5788



5.0979, 10.1178, 0.2043



3.7556, 10.1178, 35.4742



16.2332, 10.1178, 51.5529

Rectangle

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



19.6547, 10.1178, 1.5788



10.4132, 10.1178, 0.0000



3.7556, 10.1178, 35.4742



8.8618, 10.1178, 66.5983

Sweetspot

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



19.6549, 10.1185, 1.5789



56.2297, 48.3516, 46.2953



23.3775, 11.0648, 45.7029



11.8589, 9.8491, 9.1419



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.



19.6549, 10.1185, 1.5789



35.1602, 18.1044, 2.6115



21.7293, 14.4690, 1.6485



9.0434, 9.0277, 9.5759



13.7243, 7.0635, 1.1693



0.4970, 0.2543, 0.1108

Inverse Universe

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



19.6549, 10.1185, 1.5789



35.1602, 18.1044, 2.6115



14.4374, 15.1988, 46.9721



9.0434, 9.0277, 9.5759



13.7243, 7.0635, 1.1693



0.4970, 0.2543, 0.1108

Previews

White Background



This preview shows how the XYZ color 19.6547, 10.1178, 1.5788 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 19.6547, 10.1178, 1.5788

Background



This preview shows how black text looks on a background with the XYZ color 19.6547, 10.1178, 1.5788.



This preview shows how white text looks on a background with the XYZ color 19.6547, 10.1178,

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

19.6547, 10.1178, 1.5788

Protanopia

9.8263, 10.8396, 3.2434

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

19.4919, 10.3460, 0.9696

Trichromacy



Original Color

19.6547, 10.1178, 1.5788

Protanomaly

11.3140, 8.1272, 2.2007

Deuteranomaly

12.4370, 8.5064, 1.1874

Tritanomaly

19.4494, 10.1998, 1.1447

Monochromacy



Original Color

19.6547, 10.1178, 1.5788

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.6790, 4.3272, 2.8661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6547, 10.1178, 1.5788 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(183, 0, 20)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 20)  
}
```

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(183, 0, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 20) }
```

Border

The CSS property to change the border of an element to XYZ 19.6547, 10.1178, 1.5788 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(183, 0, 20) }
```


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

```
.border{ border-color:rgb(183, 0, 20) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 20);  
box-shadow:4px 4px 4px 4px rgb(183, 0, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6547, 10.1178, 1.5788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 20) }
```

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

```
.background{ background-color: rgb(183, 0,  
20) }
```

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