

Converting Colors

XYZ(18.5112, 9.5387, 1.0550)

Have a look what the booklet for
XYZ(18.5112, 9.5387, 1.0550)
contains.

XYZ(18.3984, 9.4803, 1.0612)	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(18.3984, 9.4803,
1.0612)**

Conversions

Conversions Part 1

Format	Color
Hex	B20007
RGB	178, 0, 7
RGB Percent	70%, 0%, 3%
CMY	0.3020, 0.9999, 0.9725
CMYK	0.00, 1.00, 0.96, 0.30
HSL	358°, 100%, 35%
HSV	358°, 100%, 70%
XYZ	18.3984, 9.4803, 1.0612
YIQ	54.0200, 103.8410, 39.9130

Conversions

Conversions Part 2

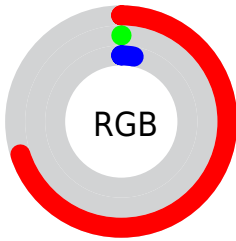
Format	Color
R_{YB}	178, 0, 7
Decimal	11665415
CIE _{Lab}	36.89, 61.25, 48.47
CIE _{LCh}	37, 78.109, 38.360
Yxy	9.4803, 0.6357, 0.3276
Android (android.graphics.Color)	4289855495 (0xFFB20007)
YUV	54.0200, -23.1809, 108.7305
Hunter-Lab	30.7901, 52.7787, 19.5096

Details

The XYZ color **18.3984, 9.4803, 1.0612** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.2742, 34.7821, 44.0302**, and the grayscale version is **3.5297, 3.7136, 4.0441**.

A 20% lighter version of the original color is **40.1035, 24.7450, 6.2770**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.3981, 9.4801, 1.0603**, and if you desaturate by 10%, it is **18.7394, 9.9584, 1.8043**.

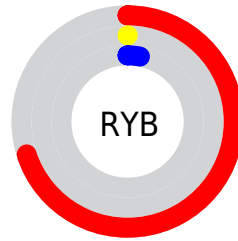
Distribution



Red (70%)

Green (0%)

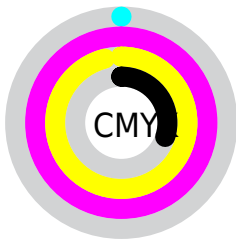
Blue (3%)



Red (70%)

Yellow (0%)

Blue (3%)

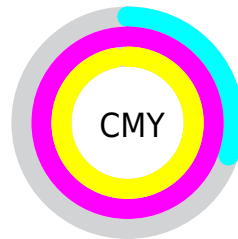


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (30%)



Cyan (30%)


Magenta (100%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3984, 9.4803, 1.0612 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 18.3984, 9.4803, 1.0612 by changing the saturation by 10% instead.


 18.3984, 9.4803,
1.0612


 18.3984, 9.4803,
1.0612


 236.1095,
186.9216, 105.4787


 11.3378, 5.0558,
0.0000


 40.2398, 24.8133,
6.2631


 6.3635, 2.2800,
0.0000


 55.7513, 36.4906,
11.4660


 3.1101, 0.7631,
0.0000

 74.8106, 51.3542,
18.9615

 1.2122, 0.0000,
0.0000

 97.7828, 69.7886,
29.1683

 0.1160, 0.0000,
0.0000


 125.0335, 92.1781,
42.5049


 0.0000, 0.0000,
0.0000


 156.9280,

118.9072, 59.3898


 193.8315,
150.3602, 80.2416


 18.3984, 9.4803,
1.0612


 18.3984, 9.4803,
1.0612


 18.3981, 9.4801,
1.0603

 18.7394, 9.9584,
1.8043

 19.3835, 10.8660,
3.1925

 20.4244, 12.3593,
5.3535

 21.9121, 14.5146,
8.3776

 23.8893, 17.3967,
12.3426

■ 26.3938, 21.0627,
17.3176

■ 29.4596, 25.5640,
23.3652

■ 33.1178, 30.9478,
30.5432

■ 37.3974, 37.2574,
38.9049

Harmonies

Analogous

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



21.6304, 9.4803, 6.9266



18.3984, 9.4803, 1.0612



12.8758, 9.4803, 0.0000

Triad

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



18.3984, 9.4803, 1.0612



2.8526, 9.4803, 3.3053



10.4254, 9.4803, 65.0829

Complementary

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



18.3984, 9.4803, 1.0612



23.2742, 34.7821, 44.0302

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.



6.0087, 9.4803, 59.8133



18.3984, 9.4803, 1.0612



2.6028, 9.4803, 14.6787

Square

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



18.3984, 9.4803, 1.0612



4.3987, 9.4803, 0.1651



3.5249, 9.4803, 37.0824



16.0669, 9.4803, 48.2156

Rectangle

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



18.3984, 9.4803, 1.0612



9.2785, 9.4803, 0.0000



3.5249, 9.4803, 37.0824



8.7482, 9.4803, 66.0119

Sweetspot

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



18.3986, 9.4809, 1.0613



53.0982, 45.8808, 41.7315



24.4200, 11.6612, 43.0828



11.2273, 9.3766, 8.1886



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.



18.3986, 9.4809, 1.0613



33.3447, 17.1841, 1.8203



21.2373, 15.2195, 1.8192



8.5094, 8.5105, 8.9149



13.1697, 6.7854, 0.7876



0.4188, 0.2153, 0.0482

Inverse Universe

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



18.3986, 9.4809, 1.0613



33.3447, 17.1841, 1.8203



12.3958, 11.9338, 43.7691



8.5094, 8.5105, 8.9149



13.1697, 6.7854, 0.7876



0.4188, 0.2153, 0.0482

Previews

White Background



This preview shows how the XYZ color 18.3984, 9.4803, 1.0612 looks on a white background.

Color Contrast Check

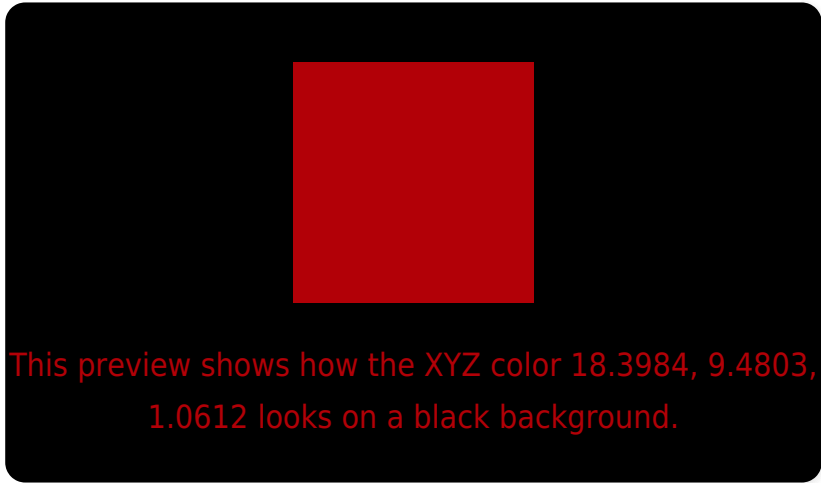
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.3984, 9.4803, 1.0612

Background



This preview shows how black text looks on a background with the XYZ color 18.3984, 9.4803, 1.0612.



This preview shows how white text looks on a background with the XYZ color 18.3984, 9.4803,

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

18.3984, 9.4803, 1.0612

Protanopia

9.1985, 10.1492, 2.3939

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

18.3168, 9.7177, 0.9103

Trichromacy



Original Color

18.3984, 9.4803, 1.0612

Protanomaly

10.6256, 7.6371, 1.4863

Deuteranomaly

11.6521, 7.9633, 1.0091

Tritanomaly

18.2564, 9.5708, 0.9713

Monochromacy



Original Color

18.3984, 9.4803, 1.0612

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.0515, 3.9303, 2.1899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3984, 9.4803, 1.0612 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(178, 0, 7)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 7)  
}
```

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(178, 0, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 7) }
```

Border

The CSS property to change the border of an element to XYZ 18.3984, 9.4803, 1.0612 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(178, 0, 7) }
```


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

```
.border{ border-color:rgb(178, 0, 7) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(178, 0, 7); box-shadow:4px  
4px 4px 4px rgb(178, 0, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3984, 9.4803, 1.0612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 7) }
```

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

```
.background{ background-color: rgb(178, 0,  
7) }
```

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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