

Converting Colors

XYZ(18.9513, 20.1443, 3.9560)

Have a look what the booklet for
XYZ(18.9513, 20.1443, 3.9560)
contains.

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Color

**XYZ(18.8344, 20.0179,
3.9081)**

Conversions

Conversions Part 1

Format	Color
Hex	917A1B
RGB	145, 122, 27
RGB Percent	57%, 48%, 11%
CMY	0.4314, 0.5216, 0.8941
CMYK	0.00, 0.16, 0.81, 0.43
HSL	48°, 69%, 34%
HSV	48°, 81%, 57%
XYZ	18.8344, 20.0179, 3.9081
YIQ	118.0470, 44.2030, -24.6690

Conversions

Conversions Part 2

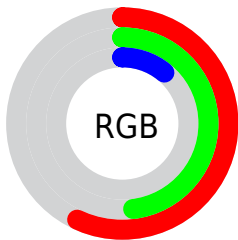
Format	Color
RYB	56, 145, 27
Decimal	9533979
CIELab	51.86, -0.99, 51.02
CIELCh	52, 51.032, 91.108
Yxy	20.0179, 0.4405, 0.4681
Android (android.graphics.Color)	4287724059 (0xFF917A1B)
YUV	118.0470, -44.8862, 23.6378
Hunter-Lab	44.7414, -3.1557, 26.1401

Details

The XYZ color **18.8344, 20.0179, 3.9081** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.7035, 4.5586, 27.3144**, and the grayscale version is **17.3617, 18.2658, 19.8915**.

A 20% lighter version of the original color is **40.9411, 43.4078, 13.8101**, and **6.7632, 7.1217, 1.0182** is the 20% darker color. If you saturate the color by 10%, you get **18.3645, 19.2836, 3.1184**, and if you desaturate by 10%, it is **19.3981, 20.8075, 5.1381**.

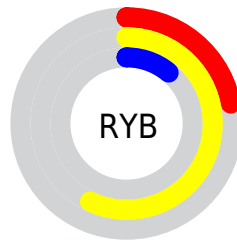
Distribution



Red (57%)

Green (48%)

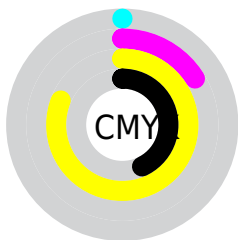
Blue (11%)



Red (22%)

Yellow (57%)

Blue (11%)

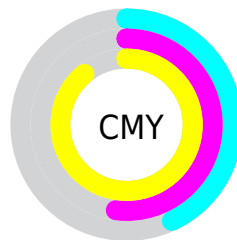


Cyan (0%)

Magenta (16%)

Yellow (81%)

Black (43%)



Cyan (43%)

Magenta (52%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8344, 20.0179, 3.9081 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 18.8344, 20.0179, 3.9081 by changing the saturation by 10% instead.

■ 18.8344, 20.0179,
3.9081

■ 18.8344, 20.0179,
3.9081

238.4887,
252.0120, 147.1984

■ 11.6540, 12.4081,
1.5751

■ 40.9731, 43.4472,
13.7973

■ 6.5790, 7.0222,
0.2729

■ 56.6621, 60.0354,
22.1904

■ 3.2442, 3.4760,
0.0000

■ 75.9181, 80.3853,
33.4408

■ 1.2842, 1.3850,
0.0000

■ 99.1062, 104.8811,
47.9668

■ 0.1713, 0.2056,
0.0000

■ 126.5920,
133.9072, 66.1870

■ 0.0000, 0.0000,
0.0000

■ 158.7408,

167.8482, 88.5200

195.9179,
207.0883, 115.3843

18.8344, 20.0179,
3.9081

18.8344, 20.0179,
3.9081

18.3645, 19.2836,
3.1184

19.3981, 20.8075,
5.1381

18.0081, 18.6820,
2.6569

20.0652, 21.6539,
6.8640

20.8453, 22.5619,
9.1344

21.7465, 23.5350,
11.9917

22.7762, 24.5760,
15.4743

■ 23.9411, 25.6880,
19.6172

■ 25.2475, 26.8735,
24.4528

■ 26.7012, 28.1350,
30.0114

■ 28.3076, 29.4747,
36.3215

Harmonies

Analogous

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



24.2551, 20.0179, 5.1470



18.8344, 20.0179, 3.9081



14.3309, 20.0179, 5.3607

Triad

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



18.8344, 20.0179, 3.9081



11.7100, 20.0179, 40.1025



29.1456, 20.0179, 38.6846

Complementary

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



18.8344, 20.0179, 3.9081



6.7035, 4.5586, 27.3144

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.



24.6496, 20.0179, 56.4714



18.8344, 20.0179, 3.9081



14.6089, 20.0179, 57.5186

Square

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



18.8344, 20.0179, 3.9081



10.7053, 20.0179, 22.3525



19.2197, 20.0179, 64.5565



30.8215, 20.0179, 21.2490

Rectangle

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



18.8344, 20.0179, 3.9081



12.2800, 20.0179, 8.3452



19.2197, 20.0179, 64.5565



27.8781, 20.0179, 45.0552

Sweetspot

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



18.8349, 20.0189, 3.9085



42.1970, 45.3678, 32.6834



12.6578, 7.0393, 3.7779



9.2387, 9.9510, 6.7422



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.8349, 20.0189, 3.9085



32.2683, 33.4602, 4.8661



16.7041, 23.6193, 4.7157



5.7515, 6.1093, 5.7654



15.4643, 16.0604, 2.2849



0.1626, 0.1831, 0.0268

Inverse Universe

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



6.7035, 4.5586, 27.3144



9.9525, 5.1905, 48.4509



7.5148, 3.8656, 27.1379



5.2094, 5.4146, 6.7993



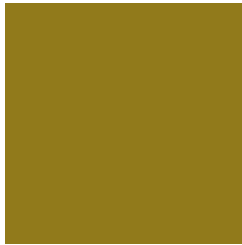
4.7607, 2.5074, 23.2101



0.0581, 0.0491, 0.2261

Previews

White Background



This preview shows how the XYZ color 18.8344, 20.0179, 3.9081 looks on a white background.

Color Contrast Check

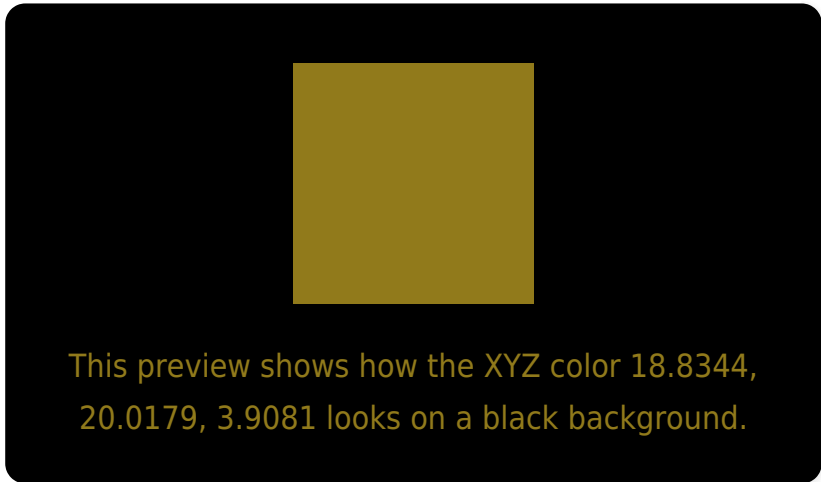
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

XYZ 18.8344, 20.0179, 3.9081

Background



This preview shows how black text looks on a background with the XYZ color 18.8344, 20.0179, 3.9081.



This preview shows how white text looks on a background with the XYZ color 18.8344, 20.0179,

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

18.8344, 20.0179, 3.9081

Protanopia

18.0647, 19.9881, 4.0046

Deuteranopia

20.2934, 19.8792, 3.9299



Tritanopia

22.2927, 20.0191, 21.1015

Trichromacy



Original Color

18.8344, 20.0179, 3.9081

Protanomaly

18.2771, 19.9125, 3.9788

Deuteranomaly

19.7553, 19.9529, 3.9087

Tritanomaly

20.4760, 19.8003, 11.7595

Monochromacy



Original Color

18.8344, 20.0179, 3.9081

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1386, 18.4387, 11.2501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8344, 20.0179, 3.9081 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(145, 122, 27)` looks like.

```
.text, #text, p{  
    color:rgb(145, 122, 27)  
}
```

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(145, 122, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 122, 27) }
```

Border

The CSS property to change the border of an element to XYZ 18.8344, 20.0179, 3.9081 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(145, 122, 27) }
```


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

```
.border{ border-color:rgb(145, 122, 27) }
```

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

Here you see how a box with a 4 pixel rgb(145, 122, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 122, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 122, 27);  
box-shadow:4px 4px 4px 4px rgb(145, 122,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8344, 20.0179, 3.9081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 122, 27) }
```

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

```
.background{ background-color: rgb(145,  
122, 27) }
```

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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