

Converting Colors

XYZ(18.7809, 20.3333, 5.1253)

Have a look what the booklet for
XYZ(18.7809, 20.3333, 5.1253)
contains.

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Color

**XYZ(18.7809, 20.3333,
5.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7C2A
RGB	142, 124, 42
RGB Percent	56%, 49%, 16%
CMY	0.4431, 0.5137, 0.8353
CMYK	0.00, 0.13, 0.70, 0.44
HSL	49°, 54%, 36%
HSV	49°, 70%, 56%
XYZ	18.7809, 20.3333, 5.1253
YIQ	120.0340, 37.0500, -21.6860

Conversions

Conversions Part 2

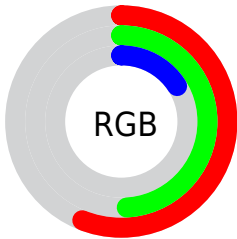
Format	Color
R_{YB}	64, 142, 42
Decimal	9337898
CIE _{Lab}	52.21, -2.79, 45.39
CIE _{LCh}	52, 45.479, 93.519
Yxy	20.3333, 0.4245, 0.4596
Android (android.graphics.Color)	4287527978 (0xFF8E7C2A)
YUV	120.0340, -38.4708, 19.2642
Hunter-Lab	45.0925, -4.5670, 24.8257

Details

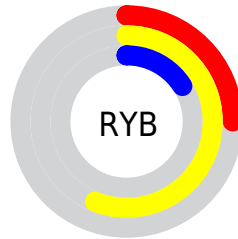
The XYZ color **18.7809, 20.3333, 5.1253** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **7.4531, 5.6767, 26.2939**, and the grayscale version is **17.9749, 18.9110, 20.5941**.

A 20% lighter version of the original color is **40.7458, 43.8291, 16.4376**, and **6.6089, 7.2436, 1.0498** is the 20% darker color. If you saturate the color by 10%, you get **18.2545, 19.6177, 3.9107**, and if you desaturate by 10%, it is **19.4066, 21.1035, 6.8179**.

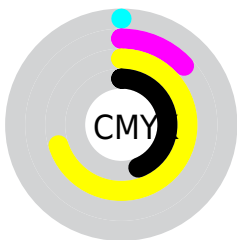
Distribution



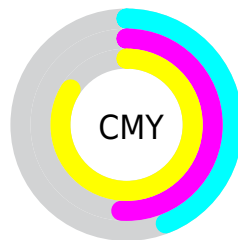
- Red (56%)
- Green (49%)
- Blue (16%)



- Red (25%)
- Yellow (56%)
- Blue (16%)



- Cyan (0%)
- Magenta (13%)
- Yellow (70%)
- Black (44%)



- Cyan (44%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7809, 20.3333, 5.1253 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 18.7809, 20.3333, 5.1253 by changing the saturation by 10% instead.

■ 18.7809, 20.3333,
5.1253

■ 18.7809, 20.3333,
5.1253

238.1979,
253.7138, 160.0143

■ 11.6151, 12.6376,
2.2609

■ 40.8833, 43.9753,
16.5316

■ 6.5525, 7.1794,
0.7092

■ 56.5506, 60.6903,
25.9105

■ 3.2277, 3.5746,
0.0000

■ 75.7825, 81.1805,
38.2981

■ 1.2753, 1.4386,
0.0000

■ 98.9443, 105.8304,
54.1129

■ 0.1646, 0.2449,
0.0000

■ 126.4014,
135.0243, 73.7733

■ 0.0000, 0.0000,
0.0000

■ 158.5191,

169.1465, 97.6980

195.6629,
208.5816, 126.3055

■ 18.7809, 20.3333,
5.1253

■ 18.7809, 20.3333,
5.1253

■ 18.2545, 19.6177,
3.9107

■ 19.4066, 21.1035,
6.8179

■ 17.8160, 18.9497,
3.1201

■ 20.1389, 21.9288,
9.0324

■ 17.4521, 18.3445,
2.6210

■ 20.9858, 22.8136,
11.8090

■ 21.9542, 23.7605,
15.1839

■ 23.0506, 24.7722,
19.1899

■ 24.2806, 25.8512,
23.8577

■ 25.6498, 26.9997,
29.2159

■ 27.1635, 28.2199,
35.2912

■ 28.8263, 29.5138,
42.1093

Harmonies

Analogous

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



23.6073, 20.3333, 6.1892



18.7809, 20.3333, 5.1253



14.7847, 20.3333, 6.8880

Triad

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



18.7809, 20.3333, 5.1253



12.7721, 20.3333, 39.5673



28.5163, 20.3333, 35.6805

Complementary

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



18.7809, 20.3333, 5.1253



7.4531, 5.6767, 26.2939

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.



24.7137, 20.3333, 51.1982



18.7809, 20.3333, 5.1253



15.5967, 20.3333, 54.0050

Square

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



18.7809, 20.3333, 5.1253



11.6857, 20.3333, 23.7538



19.8819, 20.3333, 58.9437



29.7307, 20.3333, 20.6000

Rectangle

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



18.7809, 20.3333, 5.1253



12.9749, 20.3333, 10.1106



19.8819, 20.3333, 58.9437



27.4713, 20.3333, 41.1905

Sweetspot

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



18.7814, 20.3343, 5.1257



40.4411, 43.4974, 33.0702



12.8078, 7.7366, 5.1398



8.9259, 9.6182, 6.9919



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.7814, 20.3343, 5.1257



31.6830, 33.8374, 5.9314



16.5629, 22.8495, 5.7281



5.7582, 6.1226, 5.7677



15.6816, 16.4949, 2.3573



0.1638, 0.1855, 0.0272

Inverse Universe

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



7.4531, 5.6767, 26.2939



10.4723, 6.4764, 45.8260



8.5090, 5.0518, 26.1176



5.2032, 5.4023, 6.7973



4.7170, 2.4201, 23.1956



0.0569, 0.0466, 0.2257

Previews

White Background



This preview shows how the XYZ color 18.7809, 20.3333, 5.1253 looks on a white background.

Color Contrast Check

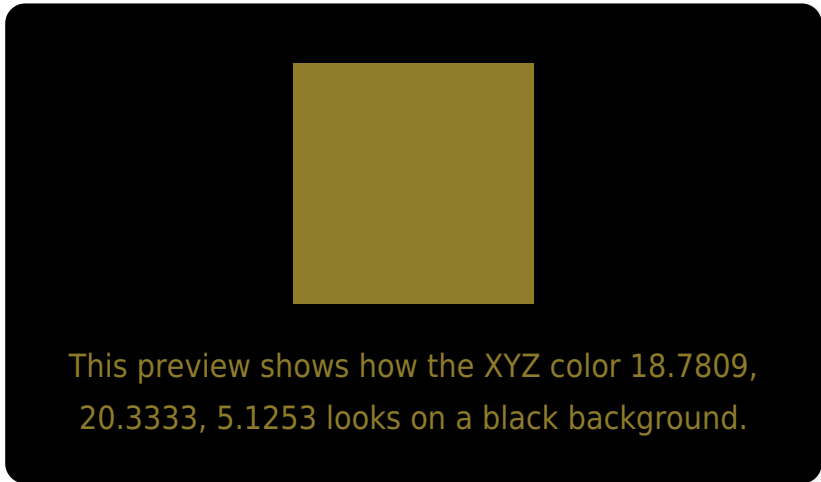
Large Text (above 18pt) WCAG AA ✓ Pass

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

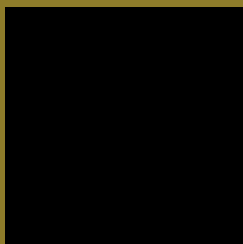
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7809, 20.3333, 5.1253

Background



This preview shows how black text looks on a background with the XYZ color 18.7809, 20.3333, 5.1253.



This preview shows how white text looks on a background with the XYZ color 18.7809, 20.3333,

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

18.7809, 20.3333, 5.1253

Protanopia

18.3990, 20.3234, 5.1436

Deuteranopia

20.6434, 20.2066, 5.1951



Tritanopia

22.3415, 20.3610, 22.1546

Trichromacy



Original Color

18.7809, 20.3333, 5.1253

Protanomaly

18.5668, 20.4098, 5.1514

Deuteranomaly

19.9150, 20.1867, 5.1323

Tritanomaly

20.5164, 20.1309, 13.6308

Monochromacy



Original Color

18.7809, 20.3333, 5.1253

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.6712, 19.0366, 12.8683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7809, 20.3333, 5.1253 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(142, 124, 42)` looks like.

```
.text, #text, p{  
    color:rgb(142, 124, 42)  
}
```

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(142, 124, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 124, 42) }
```

Border

The CSS property to change the border of an element to XYZ 18.7809, 20.3333, 5.1253 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(142, 124, 42) }
```


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

```
.border{ border-color:rgb(142, 124, 42) }
```

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

Here you see how a box with a 4 pixel rgb(142, 124, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 124, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 124, 42);  
box-shadow:4px 4px 4px 4px rgb(142, 124,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7809, 20.3333, 5.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 124, 42) }
```

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

```
.background{ background-color: rgb(142,  
124, 42) }
```

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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