

Converting Colors

XYZ(18.7100, 20.2807, 5.8306)

Have a look what the booklet for
XYZ(18.7100, 20.2807, 5.8306)
contains.

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Color

**XYZ(18.7465, 20.2998,
5.8359)**

Conversions

Conversions Part 1

Format	Color
Hex	8D7C31
RGB	141, 124, 49
RGB Percent	55%, 49%, 19%
CMY	0.4471, 0.5137, 0.8078
CMYK	0.00, 0.12, 0.65, 0.45
HSL	49°, 48%, 37%
HSV	49°, 65%, 55%
XYZ	18.7465, 20.2998, 5.8359
YIQ	120.5330, 34.2070, -19.7210

Conversions

Conversions Part 2

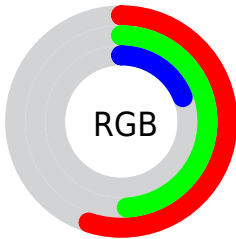
Format	Color
R_{YB}	70, 141, 49
Decimal	9272369
CIE Lab	52.17, -2.81, 42.14
CIE LCh	52, 42.229, 93.813
Yxy	20.2998, 0.4177, 0.4523
Android (android.graphics.Color)	4287462449 (0xFF8D7C31)
YUV	120.5330, -35.2658, 17.9496
Hunter-Lab	45.0553, -4.5769, 23.8590

Details

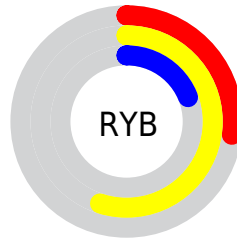
The XYZ color **18.7465, 20.2998, 5.8359** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **8.0224, 6.4722, 26.0255**, and the grayscale version is **18.1261, 19.0701, 20.7673**.

A 20% lighter version of the original color is **40.8034, 43.8218, 18.1123**, and **6.6089, 7.2436, 1.0498** is the 20% darker color. If you saturate the color by 10%, you get **18.1723, 19.5554, 4.3993**, and if you desaturate by 10%, it is **19.4234, 21.1006, 7.7667**.

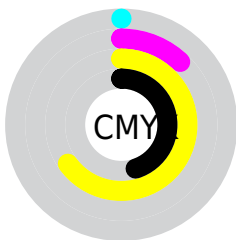
Distribution



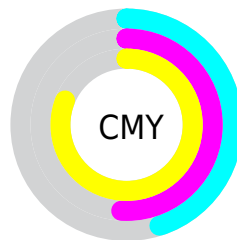
- Red (55%)
- Green (49%)
- Blue (19%)



- Red (27%)
- Yellow (55%)
- Blue (19%)



- Cyan (0%)
- Magenta (12%)
- Yellow (65%)
- Black (45%)



- Cyan (45%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7465, 20.2998, 5.8359 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 18.7465, 20.2998, 5.8359 by changing the saturation by 10% instead.

■ 18.7465, 20.2998,
5.8359

■ 18.7465, 20.2998,
5.8359

238.0108,
253.5335, 166.8524

■ 11.5902, 12.6132,
2.6784

■ 40.8255, 43.9193,
18.0611

■ 6.5355, 7.1627,
0.9325

■ 56.4789, 60.6208,
27.9658

■ 3.2171, 3.5641,
0.0000

■ 75.6953, 81.0962,
40.9567

■ 1.2696, 1.4328,
0.0000

■ 98.8401, 105.7298,
57.4523

■ 0.1603, 0.2407,
0.0000

■ 126.2788,
134.9059, 77.8711

■ 0.0000, 0.0000,
0.0000

■ 158.3765,

169.0089, 102.6317

195.4987,
208.4233, 132.1527

■ 18.7465, 20.2998,
5.8359

■ 18.7465, 20.2998,
5.8359

■ 18.1723, 19.5554,
4.3993

■ 19.4234, 21.1006,
7.7667

■ 17.6903, 18.8609,
3.4080

■ 20.2095, 21.9582,
10.2318

■ 17.2884, 18.2119,
2.7965

■ 21.1124, 22.8765,
13.2688

■ 17.1096, 17.9131,
2.5558

■ 22.1386, 23.8583,
16.9114

■ 23.2940, 24.9059,
21.1907

■ 24.5842, 26.0218,
26.1358

■ 26.0144, 27.2081,
31.7738

■ 27.5896, 28.4668,
38.1304

■ 29.3145, 29.8001,
45.2301

Harmonies

Analogous

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



23.2029, 20.2998, 6.8770



18.7465, 20.2998, 5.8359



15.0258, 20.2998, 7.6303

Triad

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



18.7465, 20.2998, 5.8359



13.1755, 20.2998, 38.1867



27.7626, 20.2998, 34.3709

Complementary

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



18.7465, 20.2998, 5.8359



8.0224, 6.4722, 26.0255

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.



24.3032, 20.2998, 48.3921



18.7465, 20.2998, 5.8359



15.8514, 20.2998, 51.1125

Square

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



18.7465, 20.2998, 5.8359



12.1279, 20.2998, 23.7253



19.8528, 20.2998, 55.4115



28.8410, 20.2998, 20.5565

Rectangle

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



18.7465, 20.2998, 5.8359



13.3294, 20.2998, 10.8102



19.8528, 20.2998, 55.4115



26.8166, 20.2998, 39.3629

Sweetspot

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



18.7470, 20.3008, 5.8363



40.6144, 43.6157, 33.8325



13.1080, 8.2695, 6.2789



8.9594, 9.6395, 7.1444



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.



18.7470, 20.3008, 5.8363



32.1426, 34.4597, 6.9999



16.9408, 22.8086, 6.4156



5.7560, 6.1184, 5.7670



15.6115, 16.3547, 2.3340



0.1635, 0.1848, 0.0270

Inverse Universe

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



8.0224, 6.4722, 26.0255



11.4983, 7.8992, 46.0465



8.9345, 5.6811, 25.8247



5.2052, 5.4062, 6.7979



4.7307, 2.4473, 23.2001



0.0573, 0.0474, 0.2258

Previews

White Background



This preview shows how the XYZ color 18.7465, 20.2998, 5.8359 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



This preview shows how the XYZ color 18.7465, 20.2998, 5.8359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

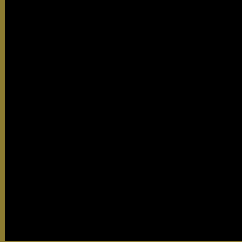
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7465, 20.2998, 5.8359

Background



This preview shows how black text looks on a background with the XYZ color 18.7465, 20.2998, 5.8359.



This preview shows how white text looks on a background with the XYZ color 18.7465, 20.2998,

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

18.7465, 20.2998, 5.8359

Protanopia

18.5355, 20.3779, 5.8621

Deuteranopia

20.5935, 20.1644, 5.9387



Tritanopia

21.9797, 20.1745, 22.1376

Trichromacy



Original Color

18.7465, 20.2998, 5.8359

Protanomaly

18.7032, 20.4644, 5.8700

Deuteranomaly

19.8699, 20.1473, 5.8592

Tritanomaly

20.4315, 20.0765, 14.1075

Monochromacy



Original Color

18.7465, 20.2998, 5.8359

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9272, 19.3345, 13.6135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7465, 20.2998, 5.8359 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(141, 124, 49)` looks like.

```
.text, #text, p{  
    color:rgb(141, 124, 49)  
}
```

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(141, 124, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 124, 49) }
```

Border

The CSS property to change the border of an element to XYZ 18.7465, 20.2998, 5.8359 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(141, 124, 49) }
```


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

```
.border{ border-color:rgb(141, 124, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 124, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 124, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 124, 49);  
box-shadow:4px 4px 4px 4px rgb(141, 124,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7465, 20.2998, 5.8359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 124, 49) }
```

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

```
.background{ background-color: rgb(141,  
124, 49) }
```

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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