

Converting Colors

XYZ(18.6856, 20.7332, 14.9350)

Have a look what the booklet for
XYZ(18.6856, 20.7332, 14.9350)
contains.

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Color

**XYZ(18.7237, 20.8512,
14.8422)**

Conversions

Conversions Part 1

Format	Color
Hex	7F8063
RGB	127, 128, 99
RGB Percent	50%, 50%, 39%
CMY	0.5020, 0.4980, 0.6118
CMYK	0.01, 0.00, 0.23, 0.50
HSL	62°, 13%, 45%
HSV	62°, 23%, 50%
XYZ	18.7237, 20.8512, 14.8422
YIQ	124.3950, 8.7130, -9.2310

Conversions

Conversions Part 2

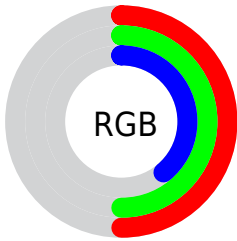
Format	Color
RYB	99, 128, 100
Decimal	8355939
CIELab	52.79, -5.56, 15.67
CIELCh	53, 16.625, 109.549
Yxy	20.8512, 0.3441, 0.3832
Android (android.graphics.Color)	4286546019 (0xFF7F8063)
YUV	124.3950, -12.5197, 2.2846
Hunter-Lab	45.6631, -6.7183, 12.6927

Details

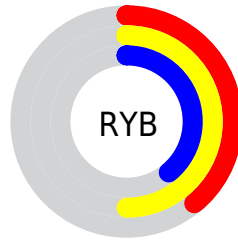
The XYZ color **18.7237, 20.8512, 14.8422** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.6144, 13.1920, 22.2520**, and the grayscale version is **19.3290, 20.3356, 22.1455**.

A 20% lighter version of the original color is **40.8513, 44.9531, 35.3779**, and **6.5577, 7.4596, 4.3430** is the 20% darker color. If you saturate the color by 10%, you get **18.0941, 20.5925, 11.8677**, and if you desaturate by 10%, it is **19.4517, 21.1507, 18.3286**.

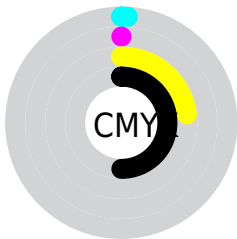
Distribution



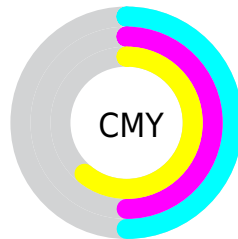
- Red (50%)
- Green (50%)
- Blue (39%)



- Red (39%)
- Yellow (50%)
- Blue (39%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7237, 20.8512, 14.8422 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 18.7237, 20.8512, 14.8422 by changing the saturation by 10% instead.

■ 18.7237, 20.8512,
14.8422

■ 18.7237, 20.8512,
14.8422

237.8867,
256.4866, 234.0169

■ 11.5736, 13.0153,
8.5633

■ 40.7872, 44.8398,
35.3145

■ 6.5242, 7.4391,
4.3646

■ 56.4313, 61.7612,
50.3450

■ 3.2100, 3.7382,
1.8274

■ 75.6375, 82.4799,
69.1298

■ 1.2658, 1.5282,
0.4459

■ 98.7711, 107.3803,
92.0874

■ 0.1574, 0.3085,
0.0000

126.1974,
136.8468, 119.6364

■ 0.0000, 0.0000,
0.0000

158.2819,

171.2637, 152.1952

195.3899,
211.0156, 190.1826

■ 18.7237, 20.8512,
14.8422

■ 18.7237, 20.8512,
14.8422

■ 18.0941, 20.5925,
11.8677

■ 19.4517, 21.1507,
18.3286

■ 17.5567, 20.3699,
9.3796

■ 20.2808, 21.4900,
22.3480

■ 17.1072, 20.1826,
7.3526

■ 21.2154, 21.8716,
26.9219

■ 16.7400, 20.0283,
5.7582

■ 22.2594, 22.2969,
32.0702

■ 16.4494, 19.9045,
4.5650

■ 23.4164, 22.7675,
37.8120

■ 16.2285, 19.8087,
3.7373

■ 24.6898, 23.2847,
44.1653

■ 16.0691, 19.7376,
3.2327

■ 26.0830, 23.8497,
51.1474

■ 15.9708, 19.6928,
2.9593

■ 27.5989, 24.4640,
58.7751

■ 29.2408, 25.1287,
67.0642

Harmonies

Analogous

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



20.4294, 20.8512, 14.5489



18.7237, 20.8512, 14.8422



17.3882, 20.8512, 17.0551

Triad

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



18.7237, 20.8512, 14.8422



17.7332, 20.8512, 30.7715



23.2811, 20.8512, 24.4798

Complementary

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



18.7237, 20.8512, 14.8422



13.6144, 13.1920, 22.2520

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.



22.4651, 20.8512, 29.4785



18.7237, 20.8512, 14.8422



19.2198, 20.8512, 33.4467

Square

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



18.7237, 20.8512, 14.8422



16.8399, 20.8512, 26.0504



20.9550, 20.8512, 32.9418



23.1290, 20.8512, 19.6561

Rectangle

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



18.7237, 20.8512, 14.8422



16.8560, 20.8512, 19.5281



20.9550, 20.8512, 32.9418



23.1091, 20.8512, 26.2056

Sweetspot

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



18.7242, 20.8521, 14.8426



35.0256, 37.5564, 36.0394



15.7088, 14.5985, 13.7945



8.1851, 8.7867, 8.3634



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.7242, 20.8521, 14.8426



32.3935, 36.4761, 23.4216



16.7222, 19.8200, 14.7489



4.6511, 5.0121, 4.6424



15.8356, 19.5259, 2.9343



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6144, 13.1920, 22.2520



21.8005, 20.5956, 38.7826



15.3590, 14.0914, 22.3336



4.1215, 4.2183, 5.4102



3.9186, 1.5738, 20.3472



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.7237, 20.8512, 14.8422 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 18.7237, 20.8512, 14.8422 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

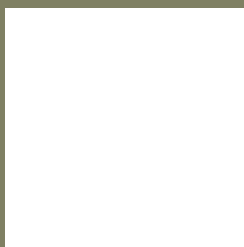
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7237, 20.8512, 14.8422

Background



This preview shows how black text looks on a background with the XYZ color 18.7237, 20.8512, 14.8422.

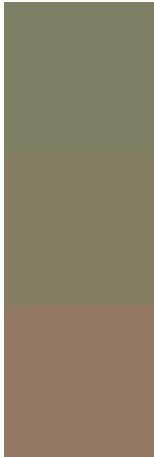


This preview shows how white text looks on a background with the XYZ color 18.7237, 20.8512,

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

18.7237, 20.8512, 14.8422

Protanopia

19.4970, 20.8719, 14.5563

Deuteranopia

21.1702, 20.7979, 14.9552



Tritanopia

20.6767, 20.6847, 25.0931

Trichromacy



Original Color

18.7237, 20.8512, 14.8422

Protanomaly

19.1540, 20.8859, 14.5771

Deuteranomaly

20.3231, 20.9109, 15.0216

Tritanomaly

19.9907, 20.7935, 21.0491

Monochromacy



Original Color

18.7237, 20.8512, 14.8422

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8856, 20.2650, 19.1358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7237, 20.8512, 14.8422 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(127, 128, 99)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 99)  
}
```

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(127, 128, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 99) }
```

Border

The CSS property to change the border of an element to XYZ 18.7237, 20.8512, 14.8422 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(127, 128, 99) }
```


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

```
.border{ border-color:rgb(127, 128, 99) }
```

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

Here you see how a box with a 4 pixel rgb(127, 128, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 99);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7237, 20.8512, 14.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 99) }
```

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

```
.background{ background-color: rgb(127,  
128, 99) }
```

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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