

Converting Colors

XYZ(18.4071, 20.8070, 16.1365)

Have a look what the booklet for
XYZ(18.4071, 20.8070, 16.1365)
contains.

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Color

**XYZ(18.3750, 20.8376,
16.1503)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8168
RGB	122, 129, 104
RGB Percent	48%, 51%, 41%
CMY	0.5216, 0.4941, 0.5922
CMYK	0.05, 0.00, 0.19, 0.49
HSL	77°, 11%, 46%
HSV	77°, 19%, 51%
XYZ	18.3750, 20.8376, 16.1503
YIQ	124.0570, 3.8530, -9.2590

Conversions

Conversions Part 2

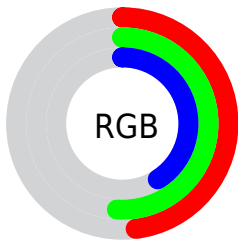
Format	Color
RYB	104, 129, 111
Decimal	8028520
CIELab	52.77, -7.32, 12.70
CIElCh	53, 14.658, 119.941
Yxy	20.8376, 0.3319, 0.3764
Android (android.graphics.Color)	4286218600 (0xFF7A8168)
YUV	124.0570, -9.8881, -1.8040
Hunter-Lab	45.6482, -8.0319, 10.9770

Details

The XYZ color **18.3750, 20.8376, 16.1503** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.4692, 14.8657, 22.8241**, and the grayscale version is **19.2087, 20.2090, 22.0076**.

A 20% lighter version of the original color is **40.3235, 44.9364, 37.5587**, and **6.3548, 7.4492, 4.9738** is the 20% darker color. If you saturate the color by 10%, you get **17.2673, 20.3372, 12.9357**, and if you desaturate by 10%, it is **19.6031, 21.3898, 19.8947**.

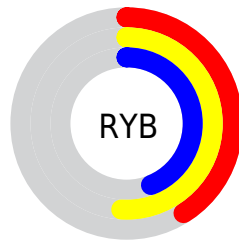
Distribution



Red (48%)

Green (51%)

Blue (41%)



Red (41%)

Yellow (51%)

Blue (44%)

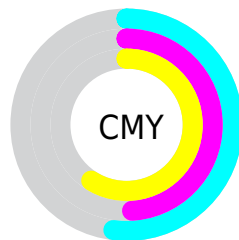


Cyan (5%)

Magenta (0%)

Yellow (19%)

Black (49%)



Cyan (52%)

Magenta (49%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3750, 20.8376, 16.1503 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 18.3750, 20.8376, 16.1503 by changing the saturation by 10% instead.

■ 18.3750, 20.8376,
16.1503

■ 18.3750, 20.8376,
16.1503

235.9812,
256.4142, 242.1029

■ 11.3209, 13.0053,
9.4751

■ 40.2004, 44.8171,
37.6294

■ 6.3520, 7.4322,
4.9513

■ 55.7023, 61.7331,
53.2702

■ 3.1029, 3.7339,
2.1605

■ 74.7509, 82.4459,
72.7368

■ 1.2084, 1.5258,
0.6514

■ 97.7116, 107.3397,
96.4475

■ 0.1130, 0.3068,
0.0000

124.9496,
136.7991, 124.8209

■ 0.0000, 0.0000,
0.0000

156.8303,

171.2084, 158.2756

193.7190,
210.9519, 197.2301

■ 18.3750, 20.8376,
16.1503

■ 18.3750, 20.8376,
16.1503

■ 17.2673, 20.3372,
12.9357

■ 19.6031, 21.3898,
19.8947

■ 16.2736, 19.8839,
10.2257

■ 20.9545, 21.9927,
24.1900

■ 15.3893, 19.4765,
7.9950

■ 22.4338, 22.6491,
29.0578

■ 14.6090, 19.1128,
6.2154

■ 24.0450, 23.3606,
34.5180

■ 13.9265, 18.7903,
4.8560

■ 25.7920, 24.1286,
40.5898

■ 13.3350, 18.5063,
3.8820

■ 27.6785, 24.9547,
47.2912

■ 12.8266, 18.2576,
3.2529

■ 29.7078, 25.8403,
54.6398

■ 12.3788, 18.0352,
2.8516

■ 31.8834, 26.7868,
62.6522

■ 12.3518, 18.0218,
2.8275

■ 34.2084, 27.7954,
71.3446

Harmonies

Analogous

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



19.8086, 20.8376, 15.2715



18.3750, 20.8376, 16.1503



17.3699, 20.8376, 18.7294

Triad

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



18.3750, 20.8376, 16.1503



18.3700, 20.8376, 30.7784



22.8913, 20.8376, 22.6973

Complementary

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



18.3750, 20.8376, 16.1503



15.4692, 14.8657, 22.8241

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.



22.4588, 20.8376, 27.1698



18.3750, 20.8376, 16.1503



19.8025, 20.8376, 32.1862

Square

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



18.3750, 20.8376, 16.1503



17.3671, 20.8376, 27.1527



21.3084, 20.8376, 30.7891



22.4622, 20.8376, 18.7427

Rectangle

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



18.3750, 20.8376, 16.1503



17.0512, 20.8376, 21.2504



21.3084, 20.8376, 30.7891



22.8416, 20.8376, 24.1903

Sweetspot

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



18.3756, 20.8385, 16.1507



35.8624, 38.6418, 38.0074



17.2008, 16.9635, 15.4647



8.0898, 8.7341, 8.5161



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.



18.3756, 20.8385, 16.1507



32.0541, 36.9311, 26.4144



16.7593, 20.0053, 16.0751



4.5516, 4.9608, 4.6378



12.0466, 17.5726, 2.7569



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4692, 14.8657, 22.8241



25.9126, 24.3082, 40.5187



17.1058, 15.7094, 22.9007



4.2132, 4.2655, 5.4145



4.5810, 1.9153, 20.3782



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.3750, 20.8376, 16.1503 looks on a white background.

Color Contrast Check

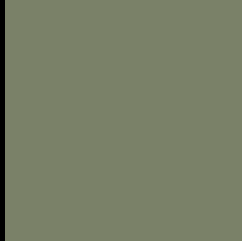
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3750, 20.8376, 16.1503 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

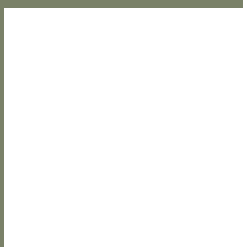
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3750, 20.8376, 16.1503

Background



This preview shows how black text looks on a background with the XYZ color 18.3750, 20.8376, 16.1503.



This preview shows how white text looks on a background with the XYZ color 18.3750, 20.8376,

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

18.3750, 20.8376, 16.1503

Protanopia

19.5320, 20.8676, 15.5688

Deuteranopia

21.1159, 20.7351, 16.5250



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

18.3750, 20.8376, 16.1503

Protanomaly

19.0908, 20.8251, 15.8454

Deuteranomaly

20.0740, 20.7536, 16.3124

Tritanomaly

19.5564, 20.7369, 22.0407

Monochromacy



Original Color

18.3750, 20.8376, 16.1503

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8401, 20.4170, 19.7775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3750, 20.8376, 16.1503 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(122, 129, 104)` looks like.

```
.text, #text, p{  
    color:rgb(122, 129, 104)  
}
```

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(122, 129, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 129, 104) }
```

Border

The CSS property to change the border of an element to XYZ 18.3750, 20.8376, 16.1503 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(122, 129, 104) }
```


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

```
.border{ border-color:rgb(122, 129, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 129, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 129, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 129, 104);  
box-shadow:4px 4px 4px 4px rgb(122, 129,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3750, 20.8376, 16.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 129, 104) }
```

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

```
.background{ background-color: rgb(122,  
129, 104) }
```

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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