

Converting Colors

XYZ(20.3980, 23.5344, 16.2997)

Have a look what the booklet for
XYZ(20.3980, 23.5344, 16.2997)
contains.

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Color

**XYZ(20.4471, 23.5377,
16.2975)**

Conversions

Conversions Part 1

Format	Color
Hex	818967
RGB	129, 137, 103
RGB Percent	51%, 54%, 40%
CMY	0.4941, 0.4627, 0.5961
CMYK	0.06, 0.00, 0.25, 0.46
HSL	74°, 14%, 47%
HSV	74°, 25%, 54%
XYZ	20.4471, 23.5377, 16.2975
YIQ	130.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

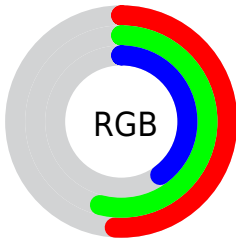
Format	Color
R_{YB}	103, 137, 111
Decimal	8489319
CIE _{Lab}	55.62, -9.12, 17.30
CIE _{LCh}	56, 19.553, 117.803
Yxy	23.5377, 0.3392, 0.3905
Android (android.graphics.Color)	4286679399 (0xFF818967)
YUV	130.7320, -13.6719, -1.5190
Hunter-Lab	48.5157, -9.6730, 14.0441

Details

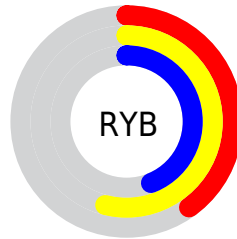
The XYZ color **20.4471, 23.5377, 16.2975** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9220, 14.8868, 25.7024**, and the grayscale version is **21.5240, 22.6449, 24.6603**.

A 20% lighter version of the original color is **43.5376, 49.1051, 37.7554**, and **7.3465, 8.7642, 5.0458** is the 20% darker color. If you saturate the color by 10%, you get **19.3331, 23.0372, 12.9452**, and if you desaturate by 10%, it is **21.6905, 24.0933, 20.2450**.

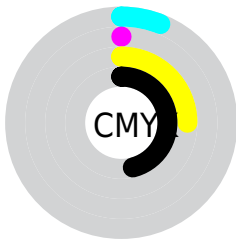
Distribution



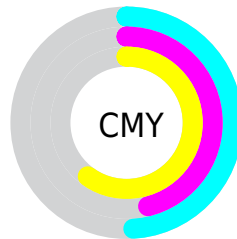
- Red (51%)
- Green (54%)
- Blue (40%)



- Red (40%)
- Yellow (54%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (25%)
- Black (46%)



- Cyan (49%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4471, 23.5377, 16.2975 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 20.4471, 23.5377, 16.2975 by changing the saturation by 10% instead.

■ 20.4471, 23.5377,
16.2975

■ 20.4471, 23.5377,
16.2975

247.1131,
270.4748, 242.9962

■ 12.8306, 14.9910,
9.5783

■ 43.6638, 49.2747,
37.8879

■ 7.3882, 8.8131,
5.0183

■ 59.9946, 67.2339,
53.5961

■ 3.7545, 4.6195,
2.1991

■ 79.9610, 89.0994,
73.1377

■ 1.5642, 2.0258,
0.6738

■ 103.9283,
115.2555, 96.9314

■ 0.3689, 0.6224,
0.0000

132.2618,
146.0867, 125.3955

■ 0.0000, 0.0000,
0.0000

165.3268,

181.9774, 158.9486

203.4888,
223.3120, 198.0094

■ 20.4471, 23.5377,
16.2975

■ 20.4471, 23.5377,
16.2975

■ 19.3331, 23.0372,
12.9452

■ 21.6905, 24.0933,
20.2450

■ 18.3411, 22.5865,
10.1578

■ 23.0666, 24.7031,
24.8132

■ 17.4656, 22.1841,
7.9045

■ 24.5811, 25.3700,
30.0279

■ 16.6998, 21.8273,
6.1509

■ 26.2387, 26.0959,
35.9128

■ 16.0364, 21.5133,
4.8587

■ 28.0437, 26.8827,
42.4907

■ 15.4670, 21.2385,
3.9840

■ 30.0004, 27.7320,
49.7831

■ 14.9799, 20.9983,
3.4674

■ 32.1128, 28.6455,
57.8108

■ 14.7434, 20.8809,
3.2534

■ 34.3848, 29.6248,
66.5934

■ 36.8202, 30.6713,
76.1501

Harmonies

Analogous

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



22.5352, 23.5377, 15.2865



20.4471, 23.5377, 16.2975



18.9640, 23.5377, 19.6735

Triad

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



20.4471, 23.5377, 16.2975



20.1824, 23.5377, 37.3729



26.8942, 23.5377, 26.0981

Complementary

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



20.4471, 23.5377, 16.2975



15.9220, 14.8868, 25.7024

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.



26.1654, 23.5377, 32.6782



20.4471, 23.5377, 16.2975



22.2093, 23.5377, 39.8205

Square

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



20.4471, 23.5377, 16.2975



18.8184, 23.5377, 31.7368



24.4138, 23.5377, 37.9763



26.3467, 23.5377, 20.3591

Rectangle

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



20.4471, 23.5377, 16.2975



18.4688, 23.5377, 23.1415



24.4138, 23.5377, 37.9763



26.7894, 23.5377, 28.2877

Sweetspot

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



20.4477, 23.5387, 16.2980



40.7084, 43.9723, 42.4207



18.4427, 17.6527, 15.2676



9.1043, 9.8511, 9.4262



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4477, 23.5387, 16.2980



35.4227, 41.6153, 25.5509



18.0852, 22.3208, 16.1874



5.3180, 5.7866, 5.3890



13.7435, 19.4550, 3.0308



0.1042, 0.1359, 0.0207

Inverse Universe

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



15.9220, 14.8868, 25.7024



25.8210, 23.2543, 45.5108



18.2584, 16.0912, 25.8118



4.8777, 4.9454, 6.3033



4.7774, 1.9770, 22.1755



0.0430, 0.0189, 0.1478

Previews

White Background



This preview shows how the XYZ color 20.4471, 23.5377, 16.2975 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 20.4471, 23.5377, 16.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

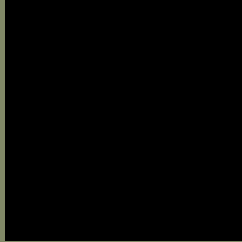
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4471, 23.5377, 16.2975

Background



This preview shows how black text looks on a background with the XYZ color 20.4471, 23.5377, 16.2975.



This preview shows how white text looks on a background with the XYZ color 20.4471, 23.5377,

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

20.4471, 23.5377, 16.2975

Protanopia

21.8918, 23.4654, 15.6874

Deuteranopia

23.7865, 23.4268, 16.6327



Tritanopia

22.9653, 23.5239, 28.9213

Trichromacy



Original Color

20.4471, 23.5377, 16.2975

Protanomaly

21.2399, 23.3279, 15.9536

Deuteranomaly

22.4691, 23.3431, 16.4181

Tritanomaly

21.9371, 23.5142, 23.8046

Monochromacy



Original Color

20.4471, 23.5377, 16.2975

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0446, 22.9014, 21.4004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4471, 23.5377, 16.2975 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(129, 137, 103)` looks like.

```
.text, #text, p{  
    color:rgb(129, 137, 103)  
}
```

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(129, 137, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 137, 103) }
```

Border

The CSS property to change the border of an element to XYZ 20.4471, 23.5377, 16.2975 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(129, 137, 103) }
```


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

```
.border{ border-color:rgb(129, 137, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 137, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 137, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 137, 103);  
box-shadow:4px 4px 4px 4px rgb(129, 137,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4471, 23.5377, 16.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 137, 103) }
```

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

```
.background{ background-color: rgb(129,  
137, 103) }
```

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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