

Converting Colors

XYZ(19.9821, 23.9681, 15.1287)

Have a look what the booklet for
XYZ(19.9821, 23.9681, 15.1287)
contains.

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Color

**XYZ(20.0401, 23.9980,
15.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	7D8C62
RGB	125, 140, 98
RGB Percent	49%, 55%, 38%
CMY	0.5098, 0.4510, 0.6157
CMYK	0.11, 0.00, 0.30, 0.45
HSL	81°, 18%, 47%
HSV	81°, 30%, 55%
XYZ	20.0401, 23.9980, 15.1311
YIQ	130.7270, 4.5420, -16.2420

Conversions

Conversions Part 2

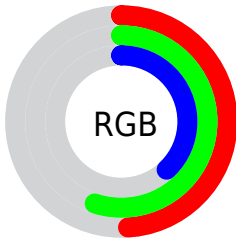
Format	Color
RYB	98, 140, 113
Decimal	8227938
CIELab	56.09, -13.12, 20.69
CIELCh	56, 24.501, 122.379
Yxy	23.9980, 0.3387, 0.4056
Android (android.graphics.Color)	4286418018 (0xFF7D8C62)
YUV	130.7270, -16.1344, -5.0226
Hunter-Lab	48.9878, -12.7071, 15.9782

Details

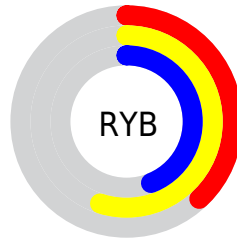
The XYZ color **20.0401, 23.9980, 15.1311** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9124, 14.1402, 26.7030**, and the grayscale version is **21.5311, 22.6524, 24.6684**.

A 20% lighter version of the original color is **43.0767, 50.2185, 35.8565**, and **7.1554, 9.0472, 4.5011** is the 20% darker color. If you saturate the color by 10%, you get **18.7245, 23.3903, 11.9156**, and if you desaturate by 10%, it is **21.5094, 24.6730, 18.9584**.

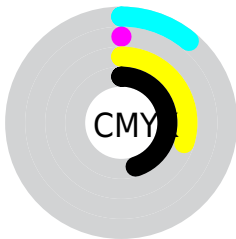
Distribution



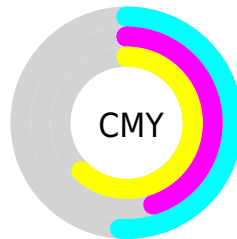
- Red (49%)
- Green (55%)
- Blue (38%)



- Red (38%)
- Yellow (55%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (45%)



- Cyan (51%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0401, 23.9980, 15.1311 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 20.0401, 23.9980, 15.1311 by changing the saturation by 10% instead.

■ 20.0401, 23.9980,
15.1311

■ 20.0401, 23.9980,
15.1311

244.9615,
272.8104, 235.8264

■ 12.5326, 15.3321,
8.7638

■ 42.9878, 50.0269,
35.8286

■ 7.1823, 9.0528,
4.4927

■ 59.1588, 68.1588,
50.9958

■ 3.6237, 4.7757,
1.8994

■ 78.9483, 90.2148,
69.9334

■ 1.4915, 2.1162,
0.4923

■ 102.7217,
116.5793, 93.0600

■ 0.3201, 0.6737,
0.0000

130.8444,
147.6367, 120.7940

■ 0.0000, 0.0000,
0.0000

163.6817,

183.7714, 153.5541

201.5990,
225.3678, 191.7587

■ 20.0401, 23.9980,
15.1311

■ 20.0401, 23.9980,
15.1311

■ 18.7245, 23.3903,
11.9156

■ 21.5094, 24.6730,
18.9584

■ 17.5541, 22.8441,
9.2786

■ 23.1366, 25.4147,
23.4254

■ 16.5224, 22.3575,
7.1860


■ 24.9282, 26.2265,
28.5602


■ 15.6217, 21.9274,
5.5995


■ 26.8894, 27.1105,
34.3887


■ 14.8431, 21.5501,
4.4758


■ 29.0254, 28.0690,
40.9354


 14.1765, 21.2215,
3.7644

 31.3413, 29.1040,
48.2236

 13.5944, 20.9305,
3.3235

 33.8415, 30.2173,
56.2757

 36.5308, 31.4108,
65.1130

 39.4134, 32.6864,
74.7560

Harmonies

Analogous

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



22.5862, 23.9980, 13.5311



20.0401, 23.9980, 15.1311



18.3547, 23.9980, 19.6000

Triad

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



20.0401, 23.9980, 15.1311



20.3980, 23.9980, 42.3529



28.6366, 23.9980, 25.4936

Complementary

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



20.0401, 23.9980, 15.1311



15.9124, 14.1402, 26.7030

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.



27.9321, 23.9980, 33.9691



20.0401, 23.9980, 15.1311



23.0341, 23.9980, 44.8108

Square

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



20.0401, 23.9980, 15.1311



18.5491, 23.9980, 35.3097



25.8227, 23.9980, 41.4740



27.6766, 23.9980, 18.6971

Rectangle

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



20.0401, 23.9980, 15.1311



17.8683, 23.9980, 24.1334



25.8227, 23.9980, 41.4740



28.5865, 23.9980, 28.2333

Sweetspot

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



20.0407, 23.9991, 15.1316



41.0341, 44.9163, 41.9877



18.8924, 18.2015, 14.0731



9.3643, 10.3085, 9.4195



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.



20.0407, 23.9991, 15.1316



33.7339, 41.5716, 22.7301



17.3273, 22.6002, 15.0046



5.2606, 5.7571, 5.3864



12.1005, 18.6080, 2.9539



0.0964, 0.1319, 0.0204

Inverse Universe

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



15.9124, 14.1402, 26.7030



25.2495, 21.3018, 46.5238



18.8860, 15.6731, 26.8422



4.9323, 4.9735, 6.3059



5.3953, 2.2955, 22.2044



0.0507, 0.0229, 0.1482

Previews

White Background



This preview shows how the XYZ color 20.0401, 23.9980, 15.1311 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 20.0401, 23.9980, 15.1311 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 20.0401, 23.9980, 15.1311

Background



This preview shows how black text looks on a background with the XYZ color 20.0401, 23.9980, 15.1311.



This preview shows how white text looks on a background with the XYZ color 20.0401, 23.9980,

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

20.0401, 23.9980, 15.1311

Protanopia

22.2677, 23.8962, 14.2653

Deuteranopia

24.2511, 23.8897, 15.3896



Tritanopia

23.1517, 24.0001, 30.2003

Trichromacy



Original Color

20.0401, 23.9980, 15.1311

Protanomaly

21.3967, 23.8561, 14.5433

Deuteranomaly

22.4937, 23.7869, 15.2102

Tritanomaly

21.7537, 23.8340, 23.8759

Monochromacy



Original Color

20.0401, 23.9980, 15.1311

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9081, 23.0492, 20.7997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0401, 23.9980, 15.1311 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(125, 140, 98)` looks like.

```
.text, #text, p{  
    color:rgb(125, 140, 98)  
}
```

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(125, 140, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 140, 98) }
```

Border

The CSS property to change the border of an element to XYZ 20.0401, 23.9980, 15.1311 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(125, 140, 98) }
```


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

```
.border{ border-color:rgb(125, 140, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 140, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 140, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 140, 98);  
box-shadow:4px 4px 4px 4px rgb(125, 140,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0401, 23.9980, 15.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 140, 98) }
```

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

```
.background{ background-color: rgb(125,  
140, 98) }
```

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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