

Converting Colors

XYZ(20.1814, 20.5182, 15.0865)

Have a look what the booklet for
XYZ(20.1814, 20.5182, 15.0865)
contains.

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Color

**XYZ(20.1237, 20.4341,
15.1955)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7A65
RGB	140, 122, 101
RGB Percent	55%, 48%, 40%
CMY	0.4510, 0.5216, 0.6039
CMYK	0.00, 0.13, 0.28, 0.45
HSL	32°, 16%, 47%
HSV	32°, 28%, 55%
XYZ	20.1237, 20.4341, 15.1955
YIQ	124.9880, 17.4690, -2.7150

Conversions

Conversions Part 2

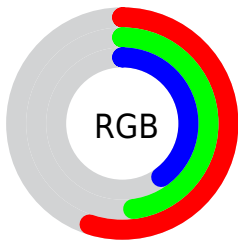
Format	Color
RYB	134, 140, 101
Decimal	9206373
CIELab	52.32, 3.50, 14.06
CIELCh	52, 14.491, 76.003
Yxy	20.4341, 0.3609, 0.3665
Android (android.graphics.Color)	4287396453 (0xFF8C7A65)
YUV	124.9880, -11.8261, 13.1655
Hunter-Lab	45.2041, 0.3564, 11.7123

Details

The XYZ color **20.1237, 20.4341, 15.1955** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6971, 17.8533, 27.3770**, and the grayscale version is **19.5238, 20.5406, 22.3687**.

A 20% lighter version of the original color is **43.0517, 44.0084, 35.9312**, and **7.1682, 7.1553, 4.4933** is the 20% darker color. If you saturate the color by 10%, you get **18.7284, 18.6493, 11.6297**, and if you desaturate by 10%, it is **21.6897, 22.3730, 19.3953**.

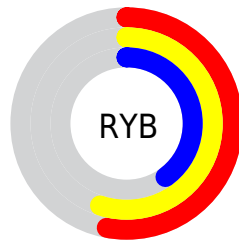
Distribution



Red (55%)

Green (48%)

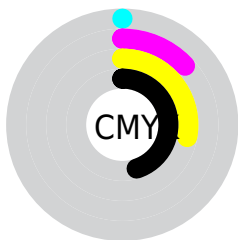
Blue (40%)



Red (53%)

Yellow (55%)

Blue (40%)

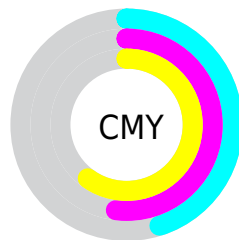


Cyan (0%)

Magenta (13%)

Yellow (28%)

Black (45%)



Cyan (45%)


Magenta (52%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1237, 20.4341, 15.1955 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 20.1237, 20.4341, 15.1955 by changing the saturation by 10% instead.

 20.1237, 20.4341,
15.1955


 20.1237, 20.4341,
15.1955

245.4048,
254.2556, 236.2279


 12.5938, 12.7110,
8.8086


 43.1268, 44.1438,
35.9429


 7.2245, 7.2298,
4.5214


 59.3308, 60.8992,
51.1405

 3.6505, 3.6062,
1.9155

 79.1567, 81.4341,
70.1120

 1.5064, 1.4558,
0.5026

 102.9701,
106.1329, 93.2760

 0.3302, 0.2573,
0.0000

131.1363,
135.3801, 121.0511

 0.0000, 0.0000,
0.0000

164.0205,

169.5600, 153.8557

201.9883,
209.0570, 192.1085

■ 20.1237, 20.4341,
15.1955

■ 20.1237, 20.4341,
15.1955

■ 18.7284, 18.6493,
11.6297

■ 21.6897, 22.3730,
19.3953

■ 17.4953, 17.0115,
8.6650

■ 23.4312, 24.4674,
24.2570

■ 16.4174, 15.5168,
6.2676

■ 25.3550, 26.7221,
29.8086

■ 15.4866, 14.1602,
4.3997

■ 27.4668, 29.1412,
36.0760

■ 14.6936, 12.9365,
3.0190

■ 29.7722, 31.7281,
43.0837

■ 14.0281, 11.8394,
2.0762

■ 32.2764, 34.4864,
50.8550

■ 13.4702, 10.8591,
1.4722

■ 34.9845, 37.4196,
59.4124

■ 13.3582, 10.6615,
1.3538

■ 37.9013, 40.5310,
68.7773

■ 41.0316, 43.8237,
78.9702

Harmonies

Analogous

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



21.4822, 20.4341, 16.8500



20.1237, 20.4341, 15.1955



18.6423, 20.4341, 15.2533

Triad

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



20.1237, 20.4341, 15.1955



16.7945, 20.4341, 24.5905



21.5583, 20.4341, 28.4537

Complementary

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



20.1237, 20.4341, 15.1955



16.6971, 17.8533, 27.3770

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.



20.2231, 20.4341, 31.1117



20.1237, 20.4341, 15.1955



17.4979, 20.4341, 28.6939

Square

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



20.1237, 20.4341, 15.1955



16.7709, 20.4341, 20.3219



18.7368, 20.4341, 31.2048



22.3387, 20.4341, 24.2948

Rectangle

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



20.1237, 20.4341, 15.1955



17.7850, 20.4341, 16.2461



18.7368, 20.4341, 31.2048



21.1565, 20.4341, 29.5744

Sweetspot

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



20.1242, 20.4350, 15.1959



41.2097, 43.0176, 42.4805



18.8109, 16.2198, 19.6553



9.3944, 9.7917, 9.5018



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.



20.1242, 20.4350, 15.1959



34.0075, 34.1575, 22.9876



22.3246, 25.1590, 15.9918



5.2413, 5.4655, 5.3311



11.8893, 9.5129, 1.2095



0.0937, 0.0925, 0.0129

Inverse Universe

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



16.6971, 17.8533, 27.3770



27.0009, 28.8802, 47.8943



14.9011, 14.0435, 26.7362



4.9524, 5.2477, 6.3577



5.8849, 5.0402, 22.7084



0.0535, 0.0623, 0.1557

Previews

White Background



This preview shows how the XYZ color 20.1237, 20.4341, 15.1955 looks on a white background.

Color Contrast Check

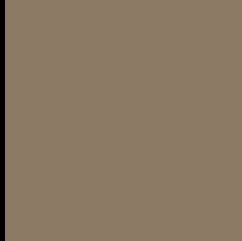
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1237, 20.4341, 15.1955 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

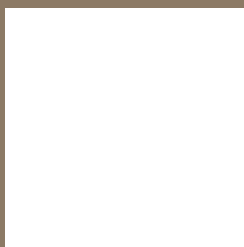
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1237, 20.4341, 15.1955

Background



This preview shows how black text looks on a background with the XYZ color 20.1237, 20.4341, 15.1955.



This preview shows how white text looks on a background with the XYZ color 20.1237, 20.4341,

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

20.1237, 20.4341, 15.1955

Protanopia

19.2476, 20.5321, 15.5190

Deuteranopia

20.7425, 20.3923, 15.1548



Tritanopia

21.7024, 20.3550, 23.2071

Trichromacy



Original Color

20.1237, 20.4341, 15.1955

Protanomaly

19.5976, 20.5255, 15.4993

Deuteranomaly

20.5140, 20.4540, 15.1787

Tritanomaly

21.0222, 20.2524, 19.9407

Monochromacy



Original Color

20.1237, 20.4341, 15.1955

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5660, 20.4221, 19.4336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1237, 20.4341, 15.1955 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(140, 122, 101)` looks like.

```
.text, #text, p{  
    color:rgb(140, 122, 101)  
}
```

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(140, 122, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 122, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.1237, 20.4341, 15.1955 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(140, 122, 101) }
```


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

```
.border{ border-color:rgb(140, 122, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 122, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 122, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 122, 101);  
box-shadow:4px 4px 4px 4px rgb(140, 122,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1237, 20.4341, 15.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 122, 101) }
```

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

```
.background{ background-color: rgb(140,  
122, 101) }
```

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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