

Converting Colors

XYZ(21.0060, 20.4724, 9.5089)

Have a look what the booklet for
XYZ(21.0060, 20.4724, 9.5089)
contains.

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Color

**XYZ(21.0037, 20.4740,
9.5015)**

Conversions

Conversions Part 1

Format	Color
Hex	99774B
RGB	153, 119, 75
RGB Percent	60%, 47%, 29%
CMY	0.4000, 0.5333, 0.7059
CMYK	0.00, 0.22, 0.51, 0.40
HSL	34°, 34%, 45%
HSV	34°, 51%, 60%
XYZ	21.0037, 20.4740, 9.5015
YIQ	124.1500, 34.3880, -6.4760

Conversions

Conversions Part 2

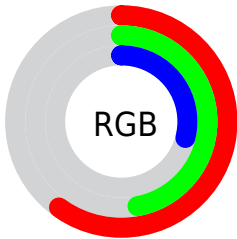
Format	Color
RYB	135, 153, 75
Decimal	10057547
CIELab	52.37, 7.60, 29.17
CIELCh	52, 30.140, 75.404
Yxy	20.4740, 0.4120, 0.4016
Android (android.graphics.Color)	4288247627 (0xFF99774B)
YUV	124.1500, -24.2309, 25.3015
Hunter-Lab	45.2482, 3.6733, 19.2237

Details

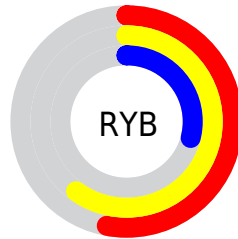
The XYZ color **21.0037, 20.4740, 9.5015** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.1198, 14.7324, 32.2363**, and the grayscale version is **19.2789, 20.2830, 22.0881**.

A 20% lighter version of the original color is **44.5591, 44.1618, 25.5776**, and **7.7305, 7.3045, 2.1649** is the 20% darker color. If you saturate the color by 10%, you get **19.7758, 18.7580, 6.8121**, and if you desaturate by 10%, it is **22.4142, 22.3538, 12.8736**.

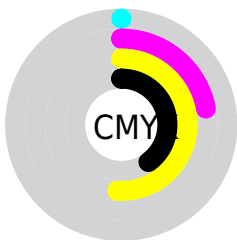
Distribution



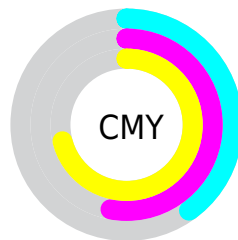
- Red (60%)
- Green (47%)
- Blue (29%)



- Red (53%)
- Yellow (60%)
- Blue (29%)



- Cyan (0%)
- Magenta (22%)
- Yellow (51%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0037, 20.4740, 9.5015 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 21.0037, 20.4740, 9.5015 by changing the saturation by 10% instead.

■ 21.0037, 20.4740,
9.5015

■ 21.0037, 20.4740,
9.5015

250.0295,
254.4697, 197.4300

■ 13.2392, 12.7401,
4.9685

■ 44.5849, 44.2105,
25.4465

■ 7.6716, 7.2498,
2.1703

■ 61.1323, 60.9818,
37.6956

■ 3.9356, 3.6188,
0.6572

■ 81.3381, 81.5343,
53.3538

■ 1.6657, 1.4627,
0.0000

■ 105.5676,
106.2526, 72.8396

■ 0.4347, 0.2623,
0.0000

■ 134.1861,
135.5208, 96.5716

■ 0.0000, 0.0000,
0.0000

167.5590,

169.7235, 124.9683

206.0517,
209.2450, 158.4482

■ 21.0037, 20.4740,
9.5015

■ 21.0037, 20.4740,
9.5015

■ 19.7758, 18.7580,
6.8121

■ 22.4142, 22.3538,
12.8736

■ 18.7188, 17.1968,
4.7554

■ 24.0153, 24.3998,
16.9712

■ 17.8216, 15.7850,
3.2765

■ 25.8160, 26.6184,
21.8347

■ 17.0706, 14.5151,
2.3104

■ 27.8244, 29.0143,
27.5015

■ 16.4898, 13.4783,
1.7325

■ 30.0481, 31.5921,
34.0063

■ 32.4942, 34.3564,
41.3818

■ 35.1695, 37.3114,
49.6590

■ 38.0805, 40.4611,
58.8674

■ 41.2333, 43.8096,
69.0350

Harmonies

Analogous

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



23.9603, 20.4740, 12.1987



21.0037, 20.4740, 9.5015



17.9166, 20.4740, 9.5369

Triad

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



21.0037, 20.4740, 9.5015



14.2525, 20.4740, 27.1503



24.0287, 20.4740, 36.5829

Complementary

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



21.0037, 20.4740, 9.5015



14.1198, 14.7324, 32.2363

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.



21.0894, 20.4740, 43.1761



21.0037, 20.4740, 9.5015



15.5616, 20.4740, 36.8207

Square

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



21.0037, 20.4740, 9.5015



14.2348, 20.4740, 18.2552



17.9937, 20.4740, 43.2731



25.8288, 20.4740, 26.8856

Rectangle

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



21.0037, 20.4740, 9.5015



16.2017, 20.4740, 11.0577



17.9937, 20.4740, 43.2731



23.1280, 20.4740, 39.3373

Sweetspot

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



21.0042, 20.4750, 9.5019



48.2313, 50.0697, 44.6905



18.4729, 12.9326, 16.3032



10.4975, 10.8738, 9.4385



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.0042, 20.4750, 9.5019



35.1683, 33.2360, 11.6890



25.0739, 29.6893, 11.0660



6.4834, 6.7718, 6.5712



13.6622, 11.2068, 1.4431



0.2404, 0.2398, 0.0336

Inverse Universe

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



14.1198, 14.7324, 32.2363



21.4469, 21.8063, 57.0506



11.4822, 8.9903, 31.2670



6.0949, 6.4471, 7.8522



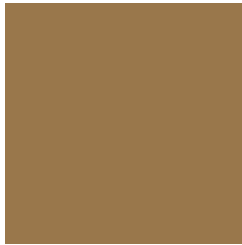
6.4276, 5.2520, 25.5827



0.1314, 0.1491, 0.3942

Previews

White Background



This preview shows how the XYZ color 21.0037, 20.4740, 9.5015 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 21.0037, 20.4740, 9.5015 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 21.0037, 20.4740, 9.5015

Background



This preview shows how black text looks on a background with the XYZ color 21.0037, 20.4740, 9.5015.



This preview shows how white text looks on a background with the XYZ color 21.0037, 20.4740,

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

21.0037, 20.4740, 9.5015

Protanopia

18.9897, 20.5214, 9.9813

Deuteranopia

20.8157, 20.3771, 9.4927



Tritanopia

23.3226, 20.3835, 21.1175

Trichromacy



Original Color

21.0037, 20.4740, 9.5015

Protanomaly

19.7152, 20.5274, 9.7606

Deuteranomaly

20.8157, 20.3771, 9.4927

Tritanomaly

22.3908, 20.3493, 16.1123

Monochromacy



Original Color

21.0037, 20.4740, 9.5015

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5527, 20.1106, 16.4869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0037, 20.4740, 9.5015 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(153, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(153, 119, 75)  
}
```

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(153, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 119, 75) }
```

Border

The CSS property to change the border of an element to XYZ 21.0037, 20.4740, 9.5015 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(153, 119, 75) }
```


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

```
.border{ border-color:rgb(153, 119, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(153, 119,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0037, 20.4740, 9.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 119, 75) }
```

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

```
.background{ background-color: rgb(153,  
119, 75) }
```

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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