

Converting Colors

XYZ(20.4124, 20.1955, 19.4403)

Have a look what the booklet for
XYZ(20.4124, 20.1955, 19.4403)
contains.

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Color

**XYZ(20.3501, 20.0972,
19.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7874
RGB	138, 120, 116
RGB Percent	54%, 47%, 45%
CMY	0.4588, 0.5294, 0.5451
CMYK	0.00, 0.13, 0.16, 0.46
HSL	11°, 9%, 50%
HSV	11°, 16%, 54%
XYZ	20.3501, 20.0972, 19.3296
YIQ	124.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

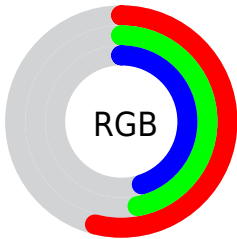
Format	Color
R_{YB}	138, 121, 116
Decimal	9074804
CIE Lab	51.95, 6.25, 4.75
CIE LCh	52, 7.844, 37.226
Yxy	20.0972, 0.3404, 0.3362
Android (android.graphics.Color)	4287264884 (0xFF8A7874)
YUV	124.9260, -4.4005, 11.4659
Hunter-Lab	44.8299, 2.5760, 5.8165

Details

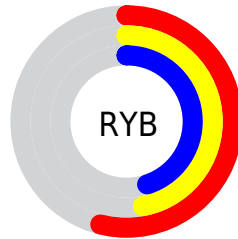
The XYZ color **20.3501, 20.0972, 19.3296** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.3149, 22.5976, 27.3360**, and the grayscale version is **19.4801, 20.4946, 22.3186**.

A 20% lighter version of the original color is **43.5586, 43.5387, 43.1538**, and **7.3853, 7.1268, 6.4552** is the 20% darker color. If you saturate the color by 10%, you get **18.3278, 17.2430, 14.9849**, and if you desaturate by 10%, it is **22.6529, 23.3211, 24.3566**.

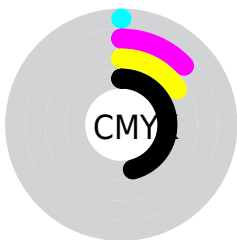
Distribution



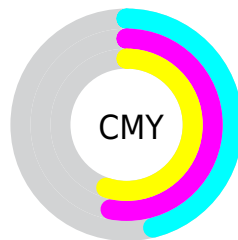
- Red (54%)
- Green (47%)
- Blue (45%)



- Red (54%)
- Yellow (47%)
- Blue (45%)



- Cyan (0%)
- Magenta (13%)
- Yellow (16%)
- Black (46%)



- Cyan (46%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3501, 20.0972, 19.3296 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 20.3501, 20.0972, 19.3296 by changing the saturation by 10% instead.

■ 20.3501, 20.0972,
19.3296

■ 20.3501, 20.0972,
19.3296

246.6018,
252.4408, 260.7454

■ 12.7595, 12.4657,
11.7295

■ 43.5029, 43.5801,
43.1344

■ 7.3390, 7.0617,
6.4394

■ 59.7958, 60.2003,
60.1761

■ 3.7232, 3.5007,
3.0410

■ 79.7201, 80.5855,
81.2022

■ 1.5468, 1.3984,
1.1156

103.6414,
105.1201, 106.6310

■ 0.3573, 0.2155,
0.0000

131.9248,
134.1886, 136.8812

■ 0.0000, 0.0000,
0.0000

164.9357,

168.1753, 172.3713

203.0396,
207.4646, 213.5199

■ 20.3501, 20.0972,
19.3296

■ 20.3501, 20.0972,
19.3296

■ 18.3278, 17.2430,
14.9849

■ 22.6529, 23.3211,
24.3566

■ 16.5735, 14.7427,
11.2919

■ 25.2447, 26.9244,
30.0924

■ 15.0763, 12.5832,
8.2194

■ 28.1358, 30.9201,
36.5634

■ 13.8239, 10.7495,
5.7331

■ 31.3353, 35.3195,
43.7945

■ 12.8029, 9.2256,
3.7953

■ 34.8521, 40.1335,
51.8092

■ 11.9986, 7.9942,
2.3643

■ 38.6945, 45.3726,
60.6303

■ 11.3945, 7.0361,
1.3917

■ 42.8709, 51.0470,
70.2793

■ 10.9684, 6.3285,
0.8043

■ 47.3890, 57.1665,
80.7771

■ 10.8312, 6.1032,
0.6072

■ 52.2563, 63.7404,
92.1439

Harmonies

Analogous

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



20.6652, 20.0972, 21.3342



20.3501, 20.0972, 19.3296



19.7021, 20.0972, 18.0747

Triad

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



20.3501, 20.0972, 19.3296



17.7213, 20.0972, 20.2247



19.2955, 20.0972, 26.5390

Complementary

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



20.3501, 20.0972, 19.3296



20.3149, 22.5976, 27.3360

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.



18.5138, 20.0972, 26.1906



20.3501, 20.0972, 19.3296



17.6193, 20.0972, 22.4400

Square

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



20.3501, 20.0972, 19.3296



18.1883, 20.0972, 18.5658



17.9056, 20.0972, 24.6507



20.0454, 20.0972, 25.5723

Rectangle

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



20.3501, 20.0972, 19.3296



19.1762, 20.0972, 17.7792



17.9056, 20.0972, 24.6507



19.0276, 20.0972, 26.5729

Sweetspot

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



20.3507, 20.0981, 19.3300



40.2911, 41.6114, 43.7280



21.0532, 19.6249, 25.3549



8.9782, 9.2511, 9.6784



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.



20.3507, 20.0981, 19.3300



34.5812, 33.6104, 31.2854



21.7054, 22.8077, 19.7816



5.1017, 5.1863, 5.2846



9.9391, 5.6125, 0.5595



0.0739, 0.0531, 0.0063

Inverse Universe

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



20.3149, 22.5976, 27.3360



34.5055, 38.8472, 48.0628



18.9145, 19.7970, 26.8692



5.0968, 5.5365, 6.4059



9.6188, 12.5079, 23.9530



0.0732, 0.1017, 0.1622

Previews

White Background



This preview shows how the XYZ color 20.3501, 20.0972, 19.3296 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 20.3501, 20.0972, 19.3296 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 20.3501, 20.0972, 19.3296

Background



This preview shows how black text looks on a background with the XYZ color 20.3501, 20.0972, 19.3296.



This preview shows how white text looks on a background with the XYZ color 20.3501, 20.0972,

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

20.3501, 20.0972, 19.3296

Protanopia

19.2551, 20.0631, 19.9973

Deuteranopia

20.5163, 20.1829, 19.3374



Tritanopia

20.9567, 19.9781, 22.8303

Trichromacy



Original Color

20.3501, 20.0972, 19.3296

Protanomaly

19.6861, 20.1090, 19.6735

Deuteranomaly

20.5163, 20.1829, 19.3374

Tritanomaly

20.8194, 20.1127, 21.5237

Monochromacy



Original Color

20.3501, 20.0972, 19.3296

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8017, 20.3169, 21.2902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3501, 20.0972, 19.3296 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(138, 120, 116)` looks like.

```
.text, #text, p{  
    color:rgb(138, 120, 116)  
}
```

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(138, 120, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 120, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.3501, 20.0972, 19.3296 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(138, 120, 116) }
```


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

```
.border{ border-color:rgb(138, 120, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 120, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 120, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 120, 116);  
box-shadow:4px 4px 4px 4px rgb(138, 120,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3501, 20.0972, 19.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 120, 116) }
```

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

```
.background{ background-color: rgb(138,  
120, 116) }
```

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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