

Converting Colors

XYZ(21.7180, 21.0742, 12.9023)

Have a look what the booklet for
XYZ(21.7180, 21.0742, 12.9023)
contains.

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Color

**XYZ(21.6746, 21.1055,
12.8289)**

Conversions

Conversions Part 1

Format	Color
Hex	98795B
RGB	152, 121, 91
RGB Percent	60%, 47%, 36%
CMY	0.4039, 0.5255, 0.6431
CMYK	0.00, 0.20, 0.40, 0.40
HSL	30°, 25%, 48%
HSV	30°, 40%, 60%
XYZ	21.6746, 21.1055, 12.8289
YIQ	126.8490, 28.1060, -2.7580

Conversions

Conversions Part 2

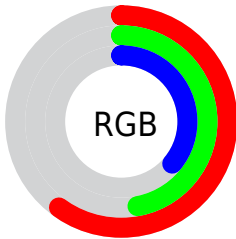
Format	Color
R_{YB}	152, 150, 91
Decimal	9992539
CIE _{Lab}	53.06, 7.78, 21.03
CIE _{LCh}	53, 22.422, 69.695
Yxy	21.1055, 0.3898, 0.3795
Android (android.graphics.Color)	4288182619 (0xFF98795B)
YUV	126.8490, -17.6736, 22.0574
Hunter-Lab	45.9407, 3.8191, 15.6018

Details

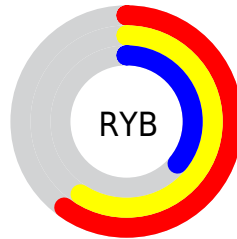
The XYZ color **21.6746, 21.1055, 12.8289** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.9411, 18.4095, 32.3662**, and the grayscale version is **20.1734, 21.2240, 23.1129**.

A 20% lighter version of the original color is **45.4834, 45.0756, 31.5025**, and **8.0018, 7.6072, 3.5292** is the 20% darker color. If you saturate the color by 10%, you get **20.1829, 19.0674, 9.4179**, and if you desaturate by 10%, it is **23.3753, 23.3491, 16.9654**.

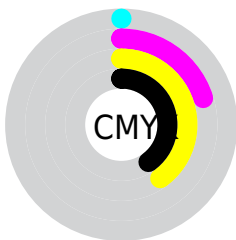
Distribution



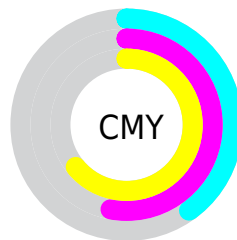
- Red (60%)
- Green (47%)
- Blue (36%)



- Red (60%)
- Yellow (59%)
- Blue (36%)



- Cyan (0%)
- Magenta (20%)
- Yellow (40%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6746, 21.1055, 12.8289 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 21.6746, 21.1055, 12.8289 by changing the saturation by 10% instead.

■ 21.6746, 21.1055,
12.8289

■ 21.6746, 21.1055,
12.8289

253.5066,
257.8386, 220.9874

■ 13.7333, 13.2011,
7.1815

■ 45.6905, 45.2630,
31.6827

■ 8.0158, 7.5672,
3.4957

■ 62.4957, 62.2850,
45.7262

■ 4.1570, 3.8193,
1.3530

■ 82.9863, 83.1150,
63.4055

■ 1.7913, 1.5730,
0.1046

■ 107.5275,
108.1374, 85.1391

■ 0.5124, 0.3393,
0.0000

136.4848,
137.7365, 111.3455

■ 0.0000, 0.0000,
0.0000

170.2236,

172.2969, 142.4433

209.1090,
212.2028, 178.8511

■ 21.6746, 21.1055,
12.8289

■ 21.6746, 21.1055,
12.8289

■ 20.1829, 19.0674,
9.4179

■ 23.3753, 23.3491,
16.9654

■ 18.8890, 17.2250,
6.6879

■ 25.2926, 25.8015,
21.8655

■ 17.7824, 15.5721,
4.5918

■ 27.4355, 28.4697,
27.5663

■ 16.8512, 14.1010,
3.0754

■ 29.8119, 31.3595,
34.1021

■ 16.0816, 12.8028,
2.0756

■ 32.4295, 34.4764,
41.5051

■ 15.4489, 11.6755,
1.4393

■ 35.2954, 37.8256,
49.8058

■ 38.4165, 41.4122,
59.0331

■ 41.7995, 45.2411,
69.2149

■ 45.4506, 49.3172,
80.3777

Harmonies

Analogous

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



23.7540, 21.1055, 15.6462



21.6746, 21.1055, 12.8289



19.3065, 21.1055, 12.4122

Triad

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



21.6746, 21.1055, 12.8289



15.9156, 21.1055, 25.2364



23.0967, 21.1055, 34.4863

Complementary

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



21.6746, 21.1055, 12.8289



16.9411, 18.4095, 32.3662

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.



20.8332, 21.1055, 38.2986



21.6746, 21.1055, 12.8289



16.7706, 21.1055, 32.3088

Square

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



21.6746, 21.1055, 12.8289



16.1022, 21.1055, 18.7634



18.5279, 21.1055, 37.4319



24.6186, 21.1055, 27.7860

Rectangle

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



21.6746, 21.1055, 12.8289



17.8974, 21.1055, 13.4475



18.5279, 21.1055, 37.4319



22.3904, 21.1055, 36.2023

Sweetspot

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



21.6751, 21.1065, 12.8293



47.5974, 49.2296, 46.4213



20.2350, 15.5757, 20.5207



10.7153, 11.0618, 10.2749



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.



21.6751, 21.1065, 12.8293



35.9215, 34.0682, 17.2795



25.9012, 29.5586, 14.2380



6.4471, 6.6992, 6.5591



12.9845, 9.8514, 1.2172



0.2304, 0.2198, 0.0303

Inverse Universe

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



16.9411, 18.4095, 32.3662



26.4000, 28.6427, 56.5708



13.8107, 12.1486, 31.3227



6.1309, 6.5191, 7.8642



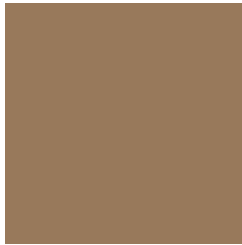
7.0223, 6.4413, 25.7809



0.1414, 0.1691, 0.3976

Previews

White Background



This preview shows how the XYZ color 21.6746, 21.1055, 12.8289 looks on a white background.

Color Contrast Check

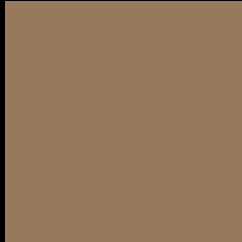
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6746, 21.1055, 12.8289 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 21.6746, 21.1055, 12.8289

Background



This preview shows how black text looks on a background with the XYZ color 21.6746, 21.1055, 12.8289.



This preview shows how white text looks on a background with the XYZ color 21.6746, 21.1055,

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

21.6746, 21.1055, 12.8289

Protanopia

19.7631, 21.2211, 13.6441

Deuteranopia

21.6104, 21.2537, 12.8609



Tritanopia

23.4646, 20.9400, 22.2071

Trichromacy



Original Color

21.6746, 21.1055, 12.8289

Protanomaly

20.4647, 21.2083, 13.3709

Deuteranomaly

21.6104, 21.2537, 12.8609

Tritanomaly

22.7855, 21.0191, 18.4790

Monochromacy



Original Color

21.6746, 21.1055, 12.8289

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5242, 21.1164, 18.9137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6746, 21.1055, 12.8289 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(152, 121, 91)` looks like.

```
.text, #text, p{  
    color:rgb(152, 121, 91)  
}
```

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(152, 121, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 121, 91) }
```

Border

The CSS property to change the border of an element to XYZ 21.6746, 21.1055, 12.8289 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(152, 121, 91) }
```


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

```
.border{ border-color:rgb(152, 121, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 121, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 121, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 121, 91);  
box-shadow:4px 4px 4px 4px rgb(152, 121,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6746, 21.1055, 12.8289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 121, 91) }
```

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

```
.background{ background-color: rgb(152,  
121, 91) }
```

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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