

Converting Colors

XYZ(21.7156, 18.0594, 12.3408)

Have a look what the booklet for
XYZ(21.7156, 18.0594, 12.3408)
contains.

XYZ(21.7440, 18.0446, 12.2345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7440, 18.0446,
12.2345)**

Conversions

Conversions Part 1

Format	Color
Hex	A3665B
RGB	163, 102, 91
RGB Percent	64%, 40%, 36%
CMY	0.3608, 0.6000, 0.6431
CMYK	0.00, 0.37, 0.44, 0.36
HSL	9°, 28%, 50%
HSV	9°, 44%, 64%
XYZ	21.7440, 18.0446, 12.2345
YIQ	118.9850, 39.8870, 9.5110

Conversions

Conversions Part 2

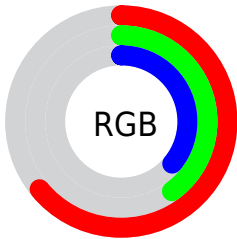
Format	Color
RYB	163, 104, 91
Decimal	10708571
CIELab	49.55, 23.26, 16.51
CIELCh	50, 28.519, 35.368
Yxy	18.0446, 0.4180, 0.3469
Android (android.graphics.Color)	4288898651 (0xFFA3665B)
YUV	118.9850, -13.7966, 38.6012
Hunter-Lab	42.4789, 17.0319, 12.6589

Details

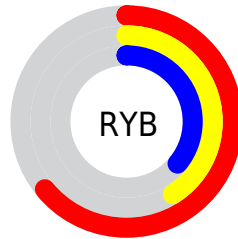
The XYZ color **21.7440, 18.0446, 12.2345** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.1531, 27.3240, 38.7569**, and the grayscale version is **17.5637, 18.4784, 20.1230**.

A 20% lighter version of the original color is **45.8785, 40.2499, 30.5503**, and **8.0995, 6.0790, 3.2291** is the 20% darker color. If you saturate the color by 10%, you get **19.8699, 15.3020, 8.5094**, and if you desaturate by 10%, it is **23.9979, 21.3022, 16.8400**.

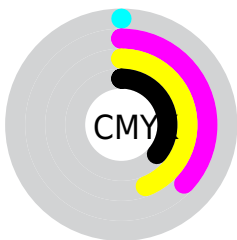
Distribution



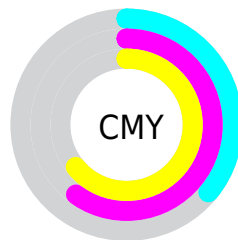
- Red (64%)
- Green (40%)
- Blue (36%)



- Red (64%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (37%)
- Yellow (44%)
- Black (36%)



- Cyan (36%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7440, 18.0446, 12.2345 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 21.7440, 18.0446, 12.2345 by changing the saturation by 10% instead.

■ 21.7440, 18.0446,
12.2345

■ 21.7440, 18.0446,
12.2345

253.8640,
241.1223, 216.9843

■ 13.7845, 10.9820,
6.7791

■ 45.8045, 40.1133,
30.5922

■ 8.0516, 6.0547,
3.2480

■ 62.6362, 55.8882,
44.3317

■ 4.1801, 2.8784,
1.2226

■ 83.1560, 75.3360,
61.6696

■ 1.8045, 1.0686,
0.0000

■ 107.7293, 98.8411,
83.0244

■ 0.5204, 0.0000,
0.0000

136.7214,
126.7879, 108.8148

■ 0.0000, 0.0000,
0.0000

170.4976,

159.5608, 139.4592

209.4234,
197.5441, 175.3762

■ 21.7440, 18.0446,
12.2345

■ 21.7440, 18.0446,
12.2345

■ 19.8699, 15.3020,
8.5094

■ 23.9979, 21.3022,
16.8400

■ 18.3529, 13.0455,
5.6074

■ 26.6497, 25.0967,
22.3763

■ 17.1703, 11.2470,
3.4659

■ 29.7179, 29.4517,
28.8912

■ 16.2958, 9.8748,
2.0128

■ 33.2197, 34.3890,
36.4287

■ 15.6991, 8.8928,
1.1619

■ 37.1711, 39.9288,
45.0305

■ 15.4500, 8.4780,
0.8221

■ 41.5873, 46.0906,
54.7355

■ 46.4829, 52.8930,
65.5811

■ 51.8716, 60.3537,
77.6027

■ 57.7669, 68.4899,
90.8342

Harmonies

Analogous

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



22.8586, 18.0446, 18.2886



21.7440, 18.0446, 12.2345



19.4078, 18.0446, 8.9914

Triad

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



21.7440, 18.0446, 12.2345



12.8499, 18.0446, 14.0775



17.6413, 18.0446, 38.4879

Complementary

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



21.7440, 18.0446, 12.2345



22.1531, 27.3240, 38.7569

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.



15.0761, 18.0446, 36.5061



21.7440, 18.0446, 12.2345



12.4824, 18.0446, 21.0721

Square

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



21.7440, 18.0446, 12.2345



14.3170, 18.0446, 9.8433



13.2549, 18.0446, 29.5755



20.3360, 18.0446, 34.4432

Rectangle

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



21.7440, 18.0446, 12.2345



17.5737, 18.0446, 8.2386



13.2549, 18.0446, 29.5755



16.7349, 18.0446, 38.5140

Sweetspot

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



21.7445, 18.0455, 12.2348



53.7726, 53.5235, 52.9189



24.5294, 17.5425, 31.8850



11.7972, 11.6252, 11.2869



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.7445, 18.0455, 12.2348



35.6425, 27.4889, 15.3513



26.0525, 26.6616, 13.6709



7.1571, 7.2527, 7.4028



12.0298, 6.6336, 0.6464



0.2763, 0.1864, 0.0214

Inverse Universe

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



22.1531, 27.3240, 38.7569



36.4420, 46.2249, 69.0577



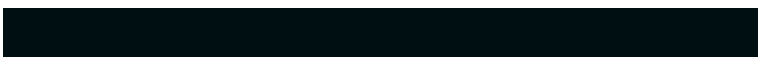
17.1939, 17.4057, 37.1038



7.1835, 7.8260, 9.0350



12.2378, 16.2550, 29.4223



0.2805, 0.3883, 0.6260

Previews

White Background



This preview shows how the XYZ color 21.7440, 18.0446, 12.2345 looks on a white background.

Color Contrast Check

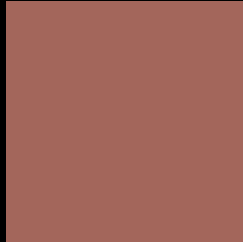
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.7440, 18.0446, 12.2345 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 21.7440, 18.0446, 12.2345

Background



This preview shows how black text looks on a background with the XYZ color 21.7440, 18.0446, 12.2345.



This preview shows how white text looks on a background with the XYZ color 21.7440, 18.0446,

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

21.7440, 18.0446, 12.2345

Protanopia

17.1405, 18.1987, 14.1646

Deuteranopia

18.3558, 18.0205, 11.9620



Tritanopia

22.5209, 18.0684, 16.2105

Trichromacy



Original Color

21.7440, 18.0446, 12.2345

Protanomaly

18.5072, 17.9035, 13.3068

Deuteranomaly

19.5268, 17.9714, 12.1125

Tritanomaly

22.3125, 18.1395, 14.6372

Monochromacy



Original Color

21.7440, 18.0446, 12.2345

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.6571, 18.0653, 16.9716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7440, 18.0446, 12.2345 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(163, 102, 91)` looks like.

```
.text, #text, p{  
    color:rgb(163, 102, 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(163, 102, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 102, 91) }
```

Border

The CSS property to change the border of an element to XYZ 21.7440, 18.0446, 12.2345 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(163, 102, 91) }
```


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

```
.border{ border-color:rgb(163, 102, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 102, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 102, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 102, 91);  
box-shadow:4px 4px 4px 4px rgb(163, 102,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7440, 18.0446, 12.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 102, 91) }
```

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

```
.background{ background-color: rgb(163,  
102, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor