

Converting Colors

XYZ(24.2371, 20.6228, 13.1766)

Have a look what the booklet for
XYZ(24.2371, 20.6228, 13.1766)
contains.

XYZ(24.2824, 20.7231, 13.3098)	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(24.2824, 20.7231,
13.3098)**

Conversions

Conversions Part 1

Format	Color
Hex	AA6F5E
RGB	170, 111, 94
RGB Percent	67%, 44%, 37%
CMY	0.3333, 0.5647, 0.6314
CMYK	0.00, 0.35, 0.45, 0.33
HSL	13°, 31%, 52%
HSV	13°, 45%, 67%
XYZ	24.2824, 20.7231, 13.3098
YIQ	126.7030, 40.6210, 7.2210

Conversions

Conversions Part 2

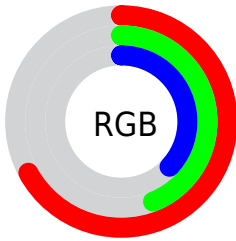
Format	Color
RYB	170, 116, 94
Decimal	11169630
CIELab	52.65, 21.38, 19.10
CIELCh	53, 28.666, 41.769
Yxy	20.7231, 0.4164, 0.3554
Android (android.graphics.Color)	4289359710 (0xFFAA6F5E)
YUV	126.7030, -16.1226, 37.9715
Hunter-Lab	45.5226, 15.5498, 14.5308

Details

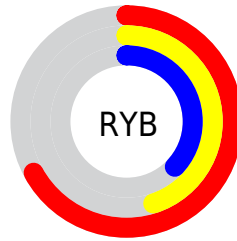
The XYZ color **24.2824, 20.7231, 13.3098** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.2625, 28.0632, 42.2208**, and the grayscale version is **20.1152, 21.1628, 23.0462**.

A 20% lighter version of the original color is **49.8098, 44.5389, 32.3572**, and **9.3812, 7.4133, 3.7328** is the 20% darker color. If you saturate the color by 10%, you get **22.2669, 17.7814, 9.2799**, and if you desaturate by 10%, it is **26.6797, 24.1595, 18.2963**.

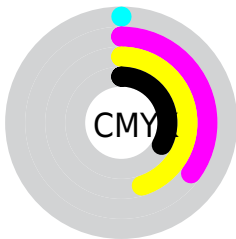
Distribution



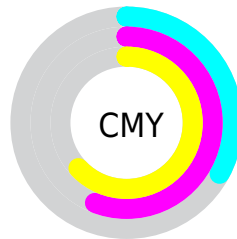
- Red (67%)
- Green (44%)
- Blue (37%)



- Red (67%)
- Yellow (45%)
- Blue (37%)



- Cyan (0%)
- Magenta (35%)
- Yellow (45%)
- Black (33%)





- Cyan (33%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2824, 20.7231, 13.3098 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 24.2824, 20.7231, 13.3098 by changing the saturation by 10% instead.


 24.2824, 20.7231,
13.3098


 24.2824, 20.7231,
13.3098


266.6592,
255.8032, 224.1708

 15.6691, 12.9217,
7.5090


 49.9420, 44.6262,
32.5586


 9.3797, 7.3747,
3.6992


 67.7190, 61.4968,
46.8436

 5.0487, 3.6975,
1.4618

 89.2812, 82.1593,
64.7937

 2.3109, 1.5058,
0.1892

 114.9941,
106.9980, 86.8276

 0.8003, 0.2928,
0.0000

145.2230,
136.3973, 113.3637

 0.0000, 0.0000,
0.0000

180.3332,

170.7417, 144.8206

220.6902,
210.4156, 181.6168

■ 24.2824, 20.7231,
13.3098

■ 24.2824, 20.7231,
13.3098

■ 22.2669, 17.7814,
9.2799

■ 26.6797, 24.1595,
18.2963

■ 20.6112, 15.3083,
6.1436

■ 29.4762, 28.1092,
24.2944

■ 19.2934, 13.2800,
3.8320

■ 32.6898, 32.5932,
31.3566

■ 18.2881, 11.6689,
2.2658

■ 36.3372, 37.6307,
39.5311

■ 17.5661, 10.4442,
1.3486

■ 40.4339, 43.2399,
48.8633

■ 17.2718, 9.9345,
1.0072

■ 44.9947, 49.4381,
59.3961

■ 50.0337, 56.2417,
71.1701

■ 55.5644, 63.6669,
84.2239

■ 61.5998, 71.7288,
98.5948

Harmonies

Analogous

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



25.8495, 20.7231, 19.3823



24.2824, 20.7231, 13.3098



21.5425, 20.7231, 10.2992

Triad

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



24.2824, 20.7231, 13.3098



14.7443, 20.7231, 17.8135



20.8876, 20.7231, 42.7213

Complementary

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



24.2824, 20.7231, 13.3098



23.2625, 28.0632, 42.2208

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.



17.9594, 20.7231, 41.9934



24.2824, 20.7231, 13.3098



14.6070, 20.7231, 26.0760

Square

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



24.2824, 20.7231, 13.3098



16.1240, 20.7231, 12.4116



15.7280, 20.7231, 35.3422



23.7615, 20.7231, 37.1342

Rectangle

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



24.2824, 20.7231, 13.3098



19.5205, 20.7231, 9.8235



15.7280, 20.7231, 35.3422



19.8739, 20.7231, 43.2389

Sweetspot

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



24.2829, 20.7241, 13.3102



60.2349, 60.4165, 58.9445



26.3743, 18.8692, 32.6206



13.1316, 13.0554, 12.4760



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.2829, 20.7241, 13.3102



40.3102, 32.1284, 16.6605



29.2613, 30.6808, 14.9696



7.6622, 7.8045, 7.8918



12.7410, 7.3793, 0.7528



0.3462, 0.2520, 0.0304

Inverse Universe

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



23.2625, 28.0632, 42.2208



38.1755, 47.1447, 76.0897



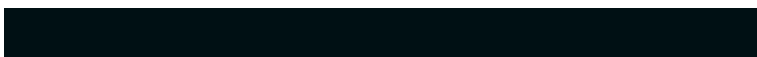
18.0637, 17.6656, 40.4879



7.6031, 8.2431, 9.6087



11.4464, 14.3530, 30.1426



0.3127, 0.4177, 0.7448

Previews

White Background



This preview shows how the XYZ color 24.2824, 20.7231, 13.3098 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 24.2824, 20.7231, 13.3098 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 24.2824, 20.7231, 13.3098

Background



This preview shows how black text looks on a background with the XYZ color 24.2824, 20.7231, 13.3098.



This preview shows how white text looks on a background with the XYZ color 24.2824, 20.7231,

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

24.2824, 20.7231, 13.3098

Protanopia

19.6413, 20.9296, 15.3165

Deuteranopia

21.1636, 20.8370, 13.0317



Tritanopia

25.5282, 20.7567, 19.1840

Trichromacy



Original Color

24.2824, 20.7231, 13.3098

Protanomaly

21.0746, 20.7596, 14.4515

Deuteranomaly

22.2417, 20.6810, 13.1755

Tritanomaly

24.9700, 20.6779, 16.8625

Monochromacy



Original Color

24.2824, 20.7231, 13.3098

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.2596, 20.7522, 19.1047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2824, 20.7231, 13.3098 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(170, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 111, 94)  
}
```

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(170, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 111, 94) }
```

Border

The CSS property to change the border of an element to XYZ 24.2824, 20.7231, 13.3098 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(170, 111, 94) }
```


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

```
.border{ border-color:rgb(170, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 111,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2824, 20.7231, 13.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 111, 94) }
```

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

```
.background{ background-color: rgb(170,  
111, 94) }
```

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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