

Converting Colors

XYZ(23.9476, 20.4220, 17.6613)

Have a look what the booklet for
XYZ(23.9476, 20.4220, 17.6613)
contains.

XYZ(24.0707, 20.5159, 17.7302)	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(24.0707, 20.5159,
17.7302)**

Conversions

Conversions Part 1

Format	Color
Hex	A56F6F
RGB	165, 111, 111
RGB Percent	65%, 44%, 44%
CMY	0.3529, 0.5647, 0.5647
CMYK	0.00, 0.33, 0.33, 0.35
HSL	0°, 23%, 54%
HSV	0°, 33%, 65%
XYZ	24.0707, 20.5159, 17.7302
YIQ	127.1460, 32.1840, 11.4480

Conversions

Conversions Part 2

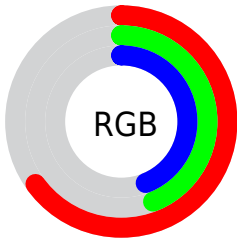
Format	Color
RYB	165, 111, 111
Decimal	10841967
CIELab	52.42, 21.44, 8.74
CIElCh	52, 23.159, 22.181
Yxy	20.5159, 0.3863, 0.3292
Android (android.graphics.Color)	4289032047 (0xFFA56F6F)
YUV	127.1460, -7.9600, 33.1980
Hunter-Lab	45.2945, 15.5943, 8.4975

Details

The XYZ color **24.0707, 20.5159, 17.7302** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.8016, 33.0051, 40.5553**, and the grayscale version is **20.2422, 21.2963, 23.1917**.

A 20% lighter version of the original color is **49.5268, 44.2109, 40.5735**, and **9.2303, 7.2934, 5.6239** is the 20% darker color. If you saturate the color by 10%, you get **21.6078, 16.9121, 12.8334**, and if you desaturate by 10%, it is **27.0351, 24.8538, 23.6226**.

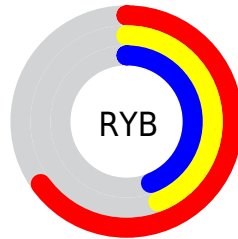
Distribution



Red (65%)

Green (44%)

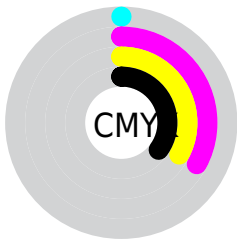
Blue (44%)



Red (65%)

Yellow (44%)

Blue (44%)

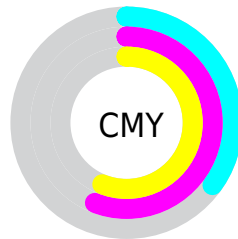


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (35%)



Cyan (35%)


Magenta (56%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0707, 20.5159, 17.7302 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 24.0707, 20.5159, 17.7302 by changing the saturation by 10% instead.


 24.0707, 20.5159,
17.7302


 24.0707, 20.5159,
17.7302


265.6116,
254.6945, 251.5307


 15.5111, 12.7706,
10.5890


 49.5994, 44.2805,
40.3848


 9.2675, 7.2708,
5.6805


 67.2992, 61.0685,
56.7352

 4.9746, 3.6320,
2.5862

 88.7764, 81.6396,
76.9925

 2.2670, 1.4699,
0.8853

 114.3964,
106.3781, 101.5753

 0.7777, 0.2674,
0.0000

144.5246,
135.6685, 130.9019

 0.0000, 0.0000,
0.0000

179.5263,

169.8950, 165.3910

219.7668,
209.4422, 205.4611

■ 24.0707, 20.5159,
17.7302

■ 24.0707, 20.5159,
17.7302

■ 21.6078, 16.9121,
12.8334

■ 27.0351, 24.8538,
23.6226

■ 19.6171, 13.9991,
8.8760

■ 30.5247, 29.9601,
30.5599

■ 18.0689, 11.7336,
5.7984


■ 34.5640, 35.8706,
38.5899


■ 16.9294, 10.0662,
3.5334


■ 39.1751, 42.6179,
47.7567


■ 16.1601, 8.9405,
2.0042


■ 44.3791, 50.2328,
58.1023


 15.7150, 8.2891,
1.1195

 50.1960, 58.7446,
69.6665

 15.5172, 7.9996,
0.7262

 56.6449, 68.1810,
82.4870

 63.7440, 78.5689,
96.6002

 69.3270, 86.7393,
107.6962

Harmonies

Analogous

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



24.4144, 20.5159, 24.1765



24.0707, 20.5159, 17.7302



22.4545, 20.5159, 13.4735

Triad

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



24.0707, 20.5159, 17.7302



16.0911, 20.5159, 15.2030



18.8814, 20.5159, 38.0728

Complementary

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



24.0707, 20.5159, 17.7302



26.8016, 33.0051, 40.5553

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.



16.8163, 20.5159, 34.4270



24.0707, 20.5159, 17.7302



15.2933, 20.5159, 20.5957

Square

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



24.0707, 20.5159, 17.7302



17.8163, 20.5159, 12.2357



15.5475, 20.5159, 27.6828



21.2861, 20.5159, 36.8709

Rectangle

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



24.0707, 20.5159, 17.7302



20.9397, 20.5159, 12.0078



15.5475, 20.5159, 27.6828



18.1274, 20.5159, 37.3513

Sweetspot

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



24.0712, 20.5169, 17.7306



56.4128, 56.2101, 58.1999



27.9931, 22.0850, 38.3847



12.1318, 11.9944, 12.3238



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.



24.0712, 20.5169, 17.7306



39.9356, 32.0993, 25.4438



27.4749, 27.3241, 18.8651



7.0738, 7.0860, 7.3750



11.7389, 6.0518, 0.5494



0.2467, 0.1272, 0.0115

Inverse Universe

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



26.8016, 33.0051, 40.5553



45.5668, 57.8552, 72.5179



22.4357, 24.2732, 39.1000



7.2761, 8.0112, 9.0659



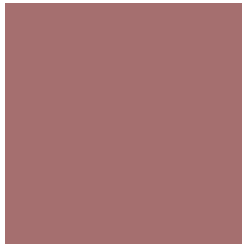
15.3153, 22.4101, 30.4482



0.3218, 0.4709, 0.6398

Previews

White Background



This preview shows how the XYZ color 24.0707, 20.5159, 17.7302 looks on a white background.

Color Contrast Check

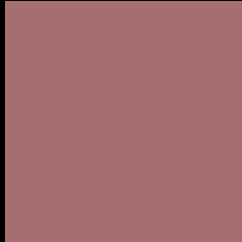
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0707, 20.5159, 17.7302 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 24.0707, 20.5159, 17.7302

Background



This preview shows how black text looks on a background with the XYZ color 24.0707, 20.5159, 17.7302.



This preview shows how white text looks on a background with the XYZ color 24.0707, 20.5159,

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

24.0707, 20.5159, 17.7302

Protanopia

19.6569, 20.6424, 20.0879

Deuteranopia

20.9254, 20.6185, 17.3449



Tritanopia

24.5718, 20.5669, 19.8143

Trichromacy



Original Color

24.0707, 20.5159, 17.7302

Protanomaly

20.9663, 20.4215, 19.0564

Deuteranomaly

21.9383, 20.4277, 17.5385

Tritanomaly

24.3963, 20.4967, 18.8901

Monochromacy



Original Color

24.0707, 20.5159, 17.7302

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.2731, 20.7179, 20.9669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0707, 20.5159, 17.7302 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(165, 111, 111)` looks like.

```
.text, #text, p{  
    color:rgb(165, 111, 111)  
}
```

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(165, 111, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 111, 111) }
```

Border

The CSS property to change the border of an element to XYZ 24.0707, 20.5159, 17.7302 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(165, 111, 111) }
```


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

```
.border{ border-color:rgb(165, 111, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 111, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 111, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 111, 111);  
box-shadow:4px 4px 4px 4px rgb(165, 111,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0707, 20.5159, 17.7302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 111, 111) }
```

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

```
.background{ background-color: rgb(165,  
111, 111) }
```

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