

Converting Colors

XYZ(22.0202, 17.7033, 14.3207)

Have a look what the booklet for
XYZ(22.0202, 17.7033, 14.3207)
contains.

XYZ(22.0719, 17.7363, 14.3167)	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(22.0719, 17.7363,
14.3167)**

Conversions

Conversions Part 1

Format	Color
Hex	A46364
RGB	164, 99, 100
RGB Percent	64%, 39%, 39%
CMY	0.3569, 0.6117, 0.6078
CMYK	0.00, 0.40, 0.39, 0.36
HSL	359°, 26%, 52%
HSV	359°, 40%, 64%
XYZ	22.0719, 17.7363, 14.3167
YIQ	118.5490, 38.4190, 14.0910

Conversions

Conversions Part 2

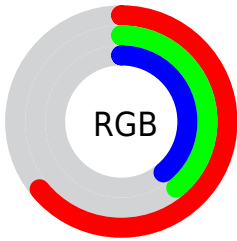
Format	Color
R_{YB}	164, 99, 100
Decimal	10773348
CIE Lab	49.17, 26.40, 10.67
CIE LCh	49, 28.478, 22.003
Yxy	17.7363, 0.4078, 0.3277
Android (android.graphics.Color)	4288963428 (0xFFA46364)
YUV	118.5490, -9.1447, 39.8605
Hunter-Lab	42.1145, 19.8502, 9.3247

Details

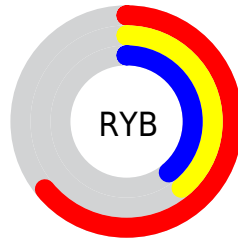
The XYZ color **22.0719, 17.7363, 14.3167** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.0327, 31.8482, 39.4801**, and the grayscale version is **17.4121, 18.3189, 19.9493**.

A 20% lighter version of the original color is **46.4713, 39.7397, 34.4994**, and **8.2568, 5.9397, 4.0795** is the 20% darker color. If you saturate the color by 10%, you get **19.9673, 14.6565, 10.1337**, and if you desaturate by 10%, it is **24.6479, 21.5109, 19.4215**.

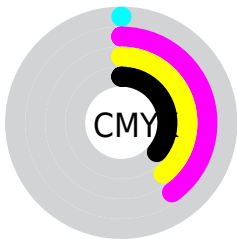
Distribution



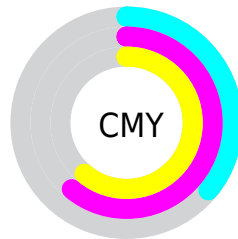
- Red (64%)
- Green (39%)
- Blue (39%)



- Red (64%)
- Yellow (39%)
- Blue (39%)



- Cyan (0%)
- Magenta (40%)
- Yellow (39%)
- Black (36%)



- Cyan (36%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0719, 17.7363, 14.3167 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 22.0719, 17.7363, 14.3167 by changing the saturation by 10% instead.

■ 22.0719, 17.7363,
14.3167

■ 22.0719, 17.7363,
14.3167

255.5468,
239.3805, 230.6888

■ 14.0266, 10.7608,
8.2000

■ 46.3428, 39.5875,
34.3751

■ 8.2210, 5.9062,
4.1336

■ 63.2991, 55.2320,
49.1539

■ 4.2897, 2.7882,
1.6989

■ 83.9565, 74.5349,
67.6571

■ 1.8673, 1.0222,
0.3600

■ 108.6803, 97.8807,
90.3033

■ 0.5577, 0.0000,
0.0000

137.8359,
125.6538, 117.5110

■ 0.0000, 0.0000,
0.0000

171.7886,

158.2385, 149.6988

210.9038,
196.0193, 187.2852

■ 22.0719, 17.7363,
14.3167

■ 22.0719, 17.7363,
14.3167

■ 19.9673, 14.6565,
10.1337

■ 24.6479, 21.5109,
19.4215

■ 18.3043, 12.2266,
6.8167

■ 27.7199, 26.0162,
25.4975

■ 17.0519, 10.4010,
4.3053


■ 31.3126, 31.2888,
32.5917


■ 16.1744, 9.1266,
2.5310


■ 35.4485, 37.3622,
40.7478


■ 15.6301, 8.3414,
1.4139


■ 40.1488, 44.2678,
50.0069


 15.3334, 7.9124,
0.8084

 45.4338, 52.0353,
60.4081

 15.3236, 7.8980,
0.7890

 51.3224, 60.6929,
71.9882

 57.8330, 70.2678,
84.7828

 64.9829, 80.7857,
98.8258

Harmonies

Analogous

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



22.4614, 17.7363, 21.4274



22.0719, 17.7363, 14.3167



20.2150, 17.7363, 9.8983

Triad

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



22.0719, 17.7363, 14.3167



13.1319, 17.7363, 11.6098



16.1546, 17.7363, 37.8058

Complementary

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



22.0719, 17.7363, 14.3167



25.0327, 31.8482, 39.4801

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.



13.8946, 17.7363, 33.3469



22.0719, 17.7363, 14.3167



12.2735, 17.7363, 17.3403

Square

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



22.0719, 17.7363, 14.3167



15.0091, 17.7363, 8.6468



12.5373, 17.7363, 25.3515



18.8524, 17.7363, 36.3742

Rectangle

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



22.0719, 17.7363, 14.3167



18.4919, 17.7363, 8.4430



12.5373, 17.7363, 25.3515



15.3229, 17.7363, 36.9122

Sweetspot

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



22.0724, 17.7372, 14.3170



55.0527, 54.1743, 55.6366



26.2503, 19.3826, 37.4795



11.8583, 11.5833, 11.8131



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.



22.0724, 17.7372, 14.3170



36.4948, 26.9705, 18.8932



25.6006, 24.8704, 15.2567



7.0780, 7.0876, 7.3970



11.7510, 6.0565, 0.6136



0.2482, 0.1278, 0.0194

Inverse Universe

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



22.0724, 17.7372, 14.3170



36.4948, 26.9705, 18.8932



20.1778, 21.9950, 38.3038



7.0780, 7.0876, 7.3970



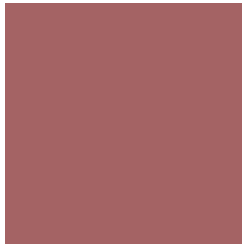
11.7510, 6.0565, 0.6136



0.2482, 0.1278, 0.0194

Previews

White Background



This preview shows how the XYZ color 22.0719, 17.7363, 14.3167 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 22.0719, 17.7363, 14.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

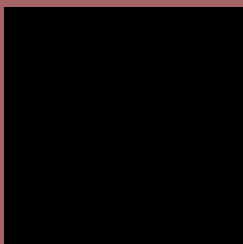
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0719, 17.7363, 14.3167

Background



This preview shows how black text looks on a background with the XYZ color 22.0719, 17.7363, 14.3167.

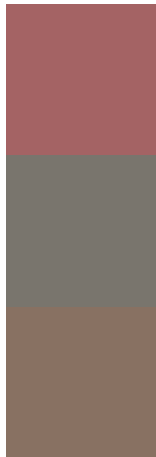


This preview shows how white text looks on a background with the XYZ color 22.0719, 17.7363,

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

22.0719, 17.7363, 14.3167

Protanopia

17.0068, 17.8917, 17.0251

Deuteranopia

18.2631, 17.9263, 14.0528



Tritanopia

22.2273, 17.6478, 15.5995

Trichromacy



Original Color

22.0719, 17.7363, 14.3167

Protanomaly

18.4940, 17.5108, 16.0409

Deuteranomaly

19.4688, 17.7370, 14.2018

Tritanomaly

22.1257, 17.6072, 15.0643

Monochromacy



Original Color

22.0719, 17.7363, 14.3167

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.7105, 17.9091, 17.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0719, 17.7363, 14.3167 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(164, 99, 100)` looks like.

```
.text, #text, p{  
    color:rgb(164, 99, 100)  
}
```

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(164, 99, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 99, 100) }
```

Border

The CSS property to change the border of an element to XYZ 22.0719, 17.7363, 14.3167 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(164, 99, 100) }
```


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

```
.border{ border-color:rgb(164, 99, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 99, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 99, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 99, 100); box-shadow:4px 4px 4px 4px rgb(164, 99, 100) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0719, 17.7363, 14.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 99, 100) }
```

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

```
.background{ background-color: rgb(164, 99,  
100) }
```

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