

Converting Colors

XYZ(27.6719, 22.6491, 12.9445)

Have a look what the booklet for
XYZ(27.6719, 22.6491, 12.9445)
contains.

XYZ(27.7335, 22.6753, 13.0403)	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(27.7335, 22.6753,
13.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	B9705C
RGB	185, 112, 92
RGB Percent	73%, 44%, 36%
CMY	0.2745, 0.5608, 0.6392
CMYK	0.00, 0.39, 0.50, 0.27
HSL	13°, 40%, 54%
HSV	13°, 50%, 73%
XYZ	27.7335, 22.6753, 13.0403
YIQ	131.5470, 49.9280, 9.2560

Conversions

Conversions Part 2

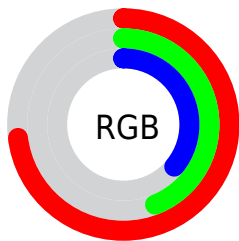
Format	Color
RYB	185, 117, 92
Decimal	12152924
CIELab	54.74, 26.74, 23.38
CIELCh	55, 35.514, 41.163
Yxy	22.6753, 0.4371, 0.3574
Android (android.graphics.Color)	4290343004 (0xFFB9705C)
YUV	131.5470, -19.4967, 46.8783
Hunter-Lab	47.6186, 20.6275, 17.0965

Details

The XYZ color **27.7335, 22.6753, 13.0403** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.6250, 32.6869, 50.8047**, and the grayscale version is **21.8250, 22.9616, 25.0051**.

A 20% lighter version of the original color is **55.4662, 47.7370, 31.8820**, and **11.3239, 8.4194, 3.6130** is the 20% darker color. If you saturate the color by 10%, you get **25.5464, 19.4412, 8.7969**, and if you desaturate by 10%, it is **30.3776, 26.5075, 18.4107**.

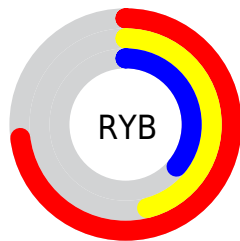
Distribution



Red (73%)

Green (44%)

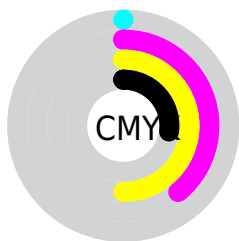
Blue (36%)



Red (73%)

Yellow (46%)

Blue (36%)

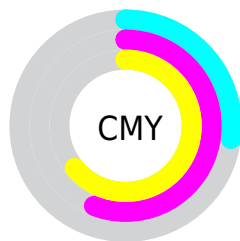


Cyan (0%)

Magenta (39%)

Yellow (50%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7335, 22.6753, 13.0403 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 27.7335, 22.6753, 13.0403 by changing the saturation by 10% instead.


 27.7335, 22.6753,
13.0403


 27.7335, 22.6753,
13.0403

283.2945,
266.0529, 222.3927


 18.2643, 14.3539,
7.3252


 55.4703, 47.8596,
32.0684


 11.2407, 8.3672,
3.5848


 74.4686, 65.4914,
46.2186

 6.2975, 4.3308,
1.4005


 97.3740, 86.9954,
64.0175

 3.0692, 1.8603,
0.1421

 124.5518,
112.7560, 85.8837

 1.1904, 0.5243,
0.0000

156.3674,
143.1577, 112.2358

 0.0988, 0.0000,
0.0000

193.1862,

 0.0000, 0.0000,

178.5848, 143.4923

0.0000

235.3734,
219.4217, 180.0718

■ 27.7335, 22.6753,
13.0403

■ 27.7335, 22.6753,
13.0403

■ 25.5464, 19.4412,
8.7969

■ 30.3776, 26.5075,
18.4107

■ 23.7876, 16.7711,
5.5980

■ 33.5017, 30.9627,
24.9799

■ 22.4277, 14.6328,
3.3518

■ 37.1293, 36.0685,
32.8153

■ 21.4323, 12.9891,
1.9499

■ 41.2817, 41.8498,
41.9789

■ 20.7594, 11.8179,
1.1870

■ 45.9790, 48.3302,
52.5286

■ 51.2402, 55.5323,
64.5187

■ 57.0835, 63.4774,
78.0008

■ 63.5261, 72.1861,
93.0239

■ 70.0156, 81.4505,
106.6390

Harmonies

Analogous

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



29.8172, 22.6753, 20.7448



27.7335, 22.6753, 13.0403



24.0763, 22.6753, 9.3854

Triad

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



27.7335, 22.6753, 13.0403



15.1814, 22.6753, 18.3600



23.0434, 22.6753, 52.4704

Complementary

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



27.7335, 22.6753, 13.0403



26.6250, 32.6869, 50.8047

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.



19.2109, 22.6753, 51.2452



27.7335, 22.6753, 13.0403



14.9758, 22.6753, 29.1051

Square

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



27.7335, 22.6753, 13.0403



16.9656, 22.6753, 11.7516



16.3652, 22.6753, 41.7807



26.8989, 22.6753, 44.7466

Rectangle

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



27.7335, 22.6753, 13.0403



21.3997, 22.6753, 8.7944



16.3652, 22.6753, 41.7807



21.7054, 22.6753, 53.1405

Sweetspot

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



27.7341, 22.6764, 13.0407



70.1153, 69.6471, 66.7143



30.7545, 20.7366, 38.6507



14.7847, 14.5535, 13.6538



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7341, 22.6764, 13.0407



45.5048, 34.4463, 15.2878



34.0132, 35.2348, 15.1338



9.1570, 9.3171, 9.4226



14.1801, 8.1365, 0.8231



0.5457, 0.3786, 0.0443

Inverse Universe

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



26.6250, 32.6869, 50.8047



43.2376, 54.2391, 90.3949



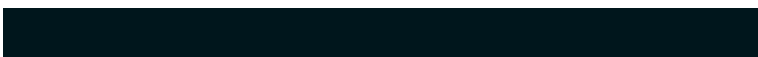
19.8752, 19.1872, 48.5547



9.0983, 9.8739, 11.5058



12.9335, 16.3266, 33.7228



0.4974, 0.6585, 1.2026

Previews

White Background



This preview shows how the XYZ color 27.7335, 22.6753, 13.0403 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 27.7335, 22.6753, 13.0403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

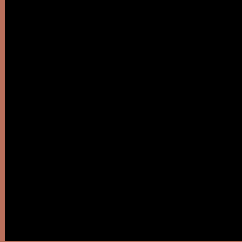
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7335, 22.6753, 13.0403

Background



This preview shows how black text looks on a background with the XYZ color 27.7335, 22.6753, 13.0403.



This preview shows how white text looks on a background with the XYZ color 27.7335, 22.6753,

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

27.7335, 22.6753, 13.0403

Protanopia

21.2318, 22.7281, 15.3245

Deuteranopia

23.1687, 22.8111, 12.6331



Tritanopia

29.1730, 22.7864, 19.6903

Trichromacy



Original Color

27.7335, 22.6753, 13.0403

Protanomaly

23.0756, 22.3463, 14.4063

Deuteranomaly

24.6192, 22.6284, 12.7430

Tritanomaly

28.5324, 22.6737, 17.0600

Monochromacy



Original Color

27.7335, 22.6753, 13.0403

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.3070, 22.5309, 19.9501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7335, 22.6753, 13.0403 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(185, 112, 92)` looks like.

```
.text, #text, p{  
    color:rgb(185, 112, 92)  
}
```

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(185, 112, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 112, 92) }
```

Border

The CSS property to change the border of an element to XYZ 27.7335, 22.6753, 13.0403 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(185, 112, 92) }
```


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

```
.border{ border-color:rgb(185, 112, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 112, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 112, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 112, 92);  
box-shadow:4px 4px 4px 4px rgb(185, 112,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7335, 22.6753, 13.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 112, 92) }
```

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

```
.background{ background-color: rgb(185,  
112, 92) }
```

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