

Converting Colors

XYZ(27.4779, 22.7438, 3.9787)

Have a look what the booklet for
XYZ(27.4779, 22.7438, 3.9787)
contains.

XYZ(27.4779, 22.7438, 3.9787)	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(27.4779, 22.7438,
3.9787)**

Conversions

Conversions Part 1

Format	Color
Hex	BF701B
RGB	191, 112, 27
RGB Percent	75%, 44%, 11%
CMY	0.2510, 0.5608, 0.8941
CMYK	0.00, 0.41, 0.86, 0.25
HSL	31°, 75%, 43%
HSV	31°, 86%, 75%
XYZ	27.4779, 22.7438, 3.9787
YIQ	125.9310, 74.3690, -9.6870

Conversions

Conversions Part 2

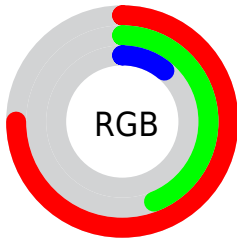
Format	Color
R_{YB}	179, 191, 27
Decimal	12546075
CIE _{Lab}	54.81, 25.41, 55.71
CIE _{LCh}	55, 61.234, 65.486
Yxy	22.7438, 0.5070, 0.4196
Android (android.graphics.Color)	4290736155 (0xFFBF701B)
YUV	125.9310, -48.7730, 57.0655
Hunter-Lab	47.6905, 19.3884, 28.4369

Details

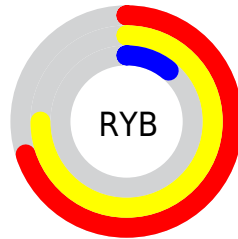
The XYZ color **27.4779, 22.7438, 3.9787** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.0099, 14.3024, 51.2595**, and the grayscale version is **19.9513, 20.9903, 22.8585**.

A 20% lighter version of the original color is **54.8683, 47.8256, 13.9288**, and **11.2932, 8.4605, 1.0378** is the 20% darker color. If you saturate the color by 10%, you get **26.3600, 20.7554, 2.8439**, and if you desaturate by 10%, it is **28.8433, 24.9992, 5.9006**.

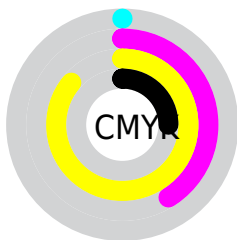
Distribution



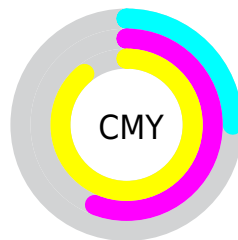
- Red (75%)
- Green (44%)
- Blue (11%)



- Red (70%)
- Yellow (75%)
- Blue (11%)



- Cyan (0%)
- Magenta (41%)
- Yellow (86%)
- Black (25%)





- Cyan (25%)
- Magenta (56%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4779, 22.7438, 3.9787 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 27.4779, 22.7438, 3.9787 by changing the saturation by 10% instead.


 27.4779, 22.7438,
3.9787

 27.4779, 22.7438,
3.9787


282.0892,
266.4064, 147.9883


 18.0709, 14.4044,
1.6137


 55.0643, 47.9723,
13.9606

 11.1009, 8.4025,
0.3005


 73.9744, 65.6302,
22.4146


 6.2025, 4.3536,
0.0000


 96.7829, 87.1632,
33.7352

 3.0105, 1.8732,
0.0000

 123.8552,
112.9555, 48.3412

 1.1593, 0.5322,
0.0000

 155.5566,
143.3915, 66.6509

 0.0739, 0.0000,
0.0000

 192.2525,

 0.0000, 0.0000,

178.8558, 89.0830

0.0000

234.3083,
219.7326, 116.0559

27.4779, 22.7438,
3.9787

27.4779, 22.7438,
3.9787

26.3600, 20.7554,
2.8439

28.8433, 24.9992,
5.9006

25.9474, 19.9996,
2.4927

30.4825, 27.5338,
8.7400

32.4185, 30.3624,
12.6019

34.6711, 33.4973,
17.5768

37.2579, 36.9498,
23.7448

■ 40.1951, 40.7306,
31.1788

■ 43.4979, 44.8494,
39.9457

■ 47.1802, 49.3160,
50.1075

■ 51.2553, 54.1391,
61.7227

Harmonies

Analogous

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



34.0370, 22.7438, 8.8197



27.4779, 22.7438, 3.9787



20.3972, 22.7438, 3.1088

Triad

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



27.4779, 22.7438, 3.9787



11.0800, 22.7438, 28.4999



30.0842, 22.7438, 69.1859

Complementary

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



27.4779, 22.7438, 3.9787



15.0099, 14.3024, 51.2595

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.



22.8851, 22.7438, 83.4592



27.4779, 22.7438, 3.9787



12.6592, 22.7438, 53.3053

Square

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



27.4779, 22.7438, 3.9787



11.8084, 22.7438, 12.2972



16.6555, 22.7438, 76.4954



35.7484, 22.7438, 43.6666

Rectangle

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



27.4779, 22.7438, 3.9787



16.4881, 22.7438, 4.0581



16.6555, 22.7438, 76.4954



27.7131, 22.7438, 75.9306

Sweetspot

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



27.4784, 22.7450, 3.9791



71.6840, 72.5611, 55.0486



24.4933, 12.9066, 14.9093



15.3228, 15.4000, 11.0146



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.4784, 22.7450, 3.9791



46.2273, 35.3298, 4.3829



39.6333, 48.0658, 8.2259



9.9281, 10.3323, 10.0477



17.1334, 13.3056, 1.6652



0.7363, 0.6516, 0.0870

Inverse Universe

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



15.0099, 14.3024, 51.2595



23.4567, 19.9652, 90.8965



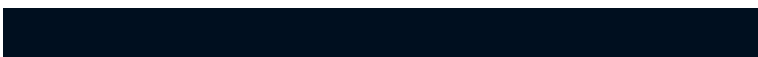
10.3237, 4.8177, 49.6758



9.3855, 9.9633, 12.1006



8.7753, 7.6623, 33.4094



0.4093, 0.4312, 1.3305

Previews

White Background



This preview shows how the XYZ color 27.4779, 22.7438, 3.9787 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 27.4779, 22.7438, 3.9787 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 27.4779, 22.7438, 3.9787

Background



This preview shows how black text looks on a background with the XYZ color 27.4779, 22.7438, 3.9787.



This preview shows how white text looks on a background with the XYZ color 27.4779, 22.7438,

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

27.4779, 22.7438, 3.9787

Protanopia

20.7247, 22.9027, 4.6949

Deuteranopia

23.1770, 22.8212, 3.7995



Tritanopia

30.3806, 22.6726, 18.1042

Trichromacy



Original Color

27.4779, 22.7438, 3.9787

Protanomaly

22.8778, 22.6535, 4.3951

Deuteranomaly

24.5405, 22.6048, 3.8288

Tritanomaly

28.9910, 22.5788, 10.6147

Monochromacy



Original Color

27.4779, 22.7438, 3.9787

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.2605, 20.8970, 12.5858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4779, 22.7438, 3.9787 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(191, 112, 27)` looks like.

```
.text, #text, p{  
    color:rgb(191, 112, 27)  
}
```

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(191, 112, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 112, 27) }
```

Border

The CSS property to change the border of an element to XYZ 27.4779, 22.7438, 3.9787 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(191, 112, 27) }
```


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

```
.border{ border-color:rgb(191, 112, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 112, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 112, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 112, 27);  
box-shadow:4px 4px 4px 4px rgb(191, 112,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4779, 22.7438, 3.9787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 112, 27) }
```

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

```
.background{ background-color: rgb(191,  
112, 27) }
```

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