

Converting Colors

XYZ(27.6776, 22.7660, 7.6381)

Have a look what the booklet for
XYZ(27.6776, 22.7660, 7.6381)
contains.

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Color

**XYZ(27.6776, 22.7660,
7.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	BD703F
RGB	189, 112, 63
RGB Percent	74%, 44%, 25%
CMY	0.2588, 0.5608, 0.7529
CMYK	0.00, 0.41, 0.67, 0.26
HSL	23°, 50%, 49%
HSV	23°, 67%, 74%
XYZ	27.6776, 22.7660, 7.6381
YIQ	129.4370, 61.6210, 1.0850

Conversions

Conversions Part 2

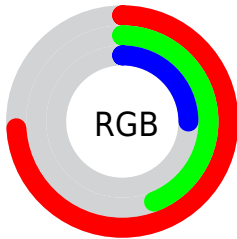
Format	Color
R _Y B	189, 143, 63
Decimal	12415039
CIE Lab	54.83, 26.11, 39.64
CIE LCh	55, 47.462, 56.629
Yxy	22.7660, 0.4765, 0.3920
Android (android.graphics.Color)	4290605119 (0xFFBD703F)
YUV	129.4370, -32.7534, 52.2368
Hunter-Lab	47.7137, 20.0446, 23.9084

Details

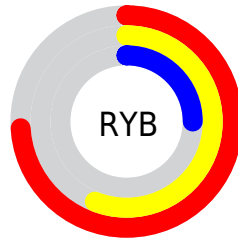
The XYZ color **27.6776, 22.7660, 7.6381** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.6126, 23.4857, 51.5906**, and the grayscale version is **21.1165, 22.2162, 24.1935**.

A 20% lighter version of the original color is **55.2670, 47.8605, 21.6543**, and **11.2311, 8.4177, 1.5230** is the 20% darker color. If you saturate the color by 10%, you get **26.0437, 20.2035, 4.9199**, and if you desaturate by 10%, it is **29.6573, 25.7304, 11.3663**.

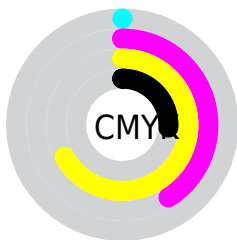
Distribution



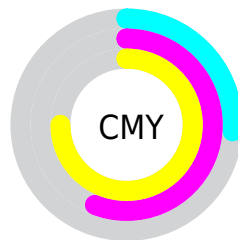
- Red (74%)
- Green (44%)
- Blue (25%)



- Red (74%)
- Yellow (56%)
- Blue (25%)



- Cyan (0%)
- Magenta (41%)
- Yellow (67%)
- Black (26%)





- Cyan (26%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6776, 22.7660, 7.6381 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 27.6776, 22.7660, 7.6381 by changing the saturation by 10% instead.


 27.6776, 22.7660,
7.6381


 27.6776, 22.7660,
7.6381


283.0312,
266.5208, 182.6925


 18.2220, 14.4208,
3.7798


 55.3816, 48.0088,
21.7802


 11.2101, 8.4139,
1.5054


 74.3606, 65.6752,
32.9011


 6.2767, 4.3609,
0.2219


 97.2448, 87.2175,
47.2800

 3.0563, 1.8774,
0.0000

 124.3996,
113.0201, 65.3353

 1.1836, 0.5348,
0.0000

 156.1903,
143.4673, 87.4857

 0.0934, 0.0000,
0.0000

 192.9822,

 0.0000, 0.0000,

178.9436, 114.1497

0.0000

235.1407,
219.8333, 145.7458

■ 27.6776, 22.7660,
7.6381

■ 27.6776, 22.7660,
7.6381

■ 26.0437, 20.2035,
4.9199

■ 29.6573, 25.7304,
11.3663

■ 24.7284, 18.0191,
3.1058

■ 32.0038, 29.1114,
16.1932

■ 23.6996, 16.1905,
2.0569

■ 34.7380, 32.9273,
22.1990

■ 23.4021, 15.6507,
1.7875

■ 37.8786, 37.1940,
29.4563

■ 41.4430, 41.9266,
38.0314

■ 45.4474, 47.1394,
47.9861

■ 49.9073, 52.8462,
59.3782

■ 54.8373, 59.0598,
72.2623

■ 60.2512, 65.7930,
86.6900

Harmonies

Analogous

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



31.9714, 22.7660, 13.9597



27.6776, 22.7660, 7.6381



22.2372, 22.7660, 5.6827

Triad

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



27.6776, 22.7660, 7.6381



13.0467, 22.7660, 23.1274



26.4841, 22.7660, 60.6400

Complementary

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



27.6776, 22.7660, 7.6381



20.6126, 23.4857, 51.5906

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.



21.0504, 22.7660, 66.2816



27.6776, 22.7660, 7.6381



13.8128, 22.7660, 40.1301

Square

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



27.6776, 22.7660, 7.6381



14.2574, 22.7660, 12.0471



16.5485, 22.7660, 57.6067



31.2078, 22.7660, 44.3267

Rectangle

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



27.6776, 22.7660, 7.6381



18.8770, 22.7660, 6.1278



16.5485, 22.7660, 57.6067



24.6568, 22.7660, 64.0743

Sweetspot

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



27.6781, 22.7672, 7.6385



71.8024, 71.8955, 62.2219



27.5491, 16.2881, 26.7744



15.0553, 14.9489, 12.4534



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.6781, 22.7672, 7.6385



45.4898, 34.2975, 7.1238



37.0774, 41.5656, 10.7716



9.8263, 10.1286, 10.0137



15.8152, 10.6692, 1.2258



0.6834, 0.5457, 0.0693

Inverse Universe

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



20.6126, 23.4857, 51.5906



31.8353, 35.4717, 91.3950



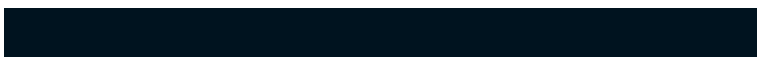
13.9384, 10.1373, 49.3658



9.4886, 10.1694, 12.1350



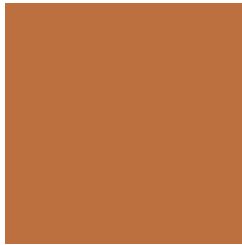
10.4190, 10.9497, 33.9573



0.4699, 0.5524, 1.3507

Previews

White Background



This preview shows how the XYZ color 27.6776, 22.7660, 7.6381 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 27.6776, 22.7660, 7.6381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

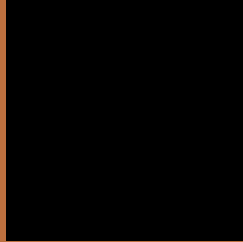
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6776, 22.7660, 7.6381

Background



This preview shows how black text looks on a background with the XYZ color 27.6776, 22.7660, 7.6381.



This preview shows how white text looks on a background with the XYZ color 27.6776, 22.7660,

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

27.6776, 22.7660, 7.6381

Protanopia

21.0025, 22.9519, 8.9534

Deuteranopia

23.2535, 22.7800, 7.4464



Tritanopia

29.9295, 22.7294, 18.7294

Trichromacy



Original Color

27.6776, 22.7660, 7.6381

Protanomaly

23.0447, 22.6495, 8.4674

Deuteranomaly

24.5720, 22.5405, 7.4705

Tritanomaly

28.9140, 22.6277, 13.6701

Monochromacy



Original Color

27.6776, 22.7660, 7.6381

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.3953, 21.7651, 16.3853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6776, 22.7660, 7.6381 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(189, 112, 63)` looks like.

```
.text, #text, p{  
    color:rgb(189, 112, 63)  
}
```

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(189, 112, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 112, 63) }
```

Border

The CSS property to change the border of an element to XYZ 27.6776, 22.7660, 7.6381 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(189, 112, 63) }
```


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

```
.border{ border-color:rgb(189, 112, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 112, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 112, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 112, 63);  
box-shadow:4px 4px 4px 4px rgb(189, 112,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6776, 22.7660, 7.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 112, 63) }
```

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

```
.background{ background-color: rgb(189,  
112, 63) }
```

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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