

Converting Colors

XYZ(27.7797, 22.8937, 4.2511)

Have a look what the booklet for
XYZ(27.7797, 22.8937, 4.2511)
contains.

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Color

**XYZ(27.7797, 22.8937,
4.2511)**

Conversions

Conversions Part 1

Format	Color
Hex	C0701F
RGB	192, 112, 31
RGB Percent	75%, 44%, 12%
CMY	0.2471, 0.5608, 0.8784
CMYK	0.00, 0.42, 0.84, 0.25
HSL	30°, 72%, 44%
HSV	30°, 84%, 75%
XYZ	27.7797, 22.8937, 4.2511
YIQ	126.6860, 73.6810, -8.2310

Conversions

Conversions Part 2

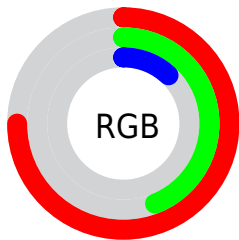
Format	Color
R_{YB}	190, 192, 31
Decimal	12611615
CIE _{Lab}	54.96, 25.94, 54.50
CIE _{LCh}	55, 60.361, 64.544
Yxy	22.8937, 0.5058, 0.4168
Android (android.graphics.Color)	4290801695 (0xFFC0701F)
YUV	126.6860, -47.1732, 57.2804
Hunter-Lab	47.8474, 19.9024, 28.2254

Details

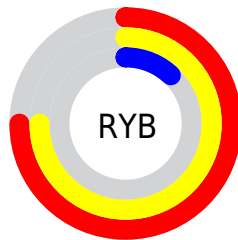
The XYZ color **27.7797, 22.8937, 4.2511** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.7636, 15.4653, 52.0230**, and the grayscale version is **20.2046, 21.2568, 23.1487**.

A 20% lighter version of the original color is **55.3448, 48.0581, 14.5428**, and **11.4504, 8.5416, 1.0452** is the 20% darker color. If you saturate the color by 10%, you get **26.6005, 20.8270, 2.9596**, and if you desaturate by 10%, it is **29.2220, 25.2461, 6.3734**.

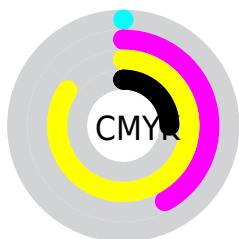
Distribution



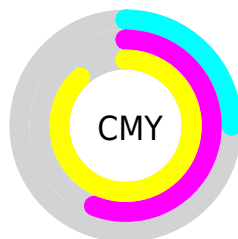
- Red (75%)
- Green (44%)
- Blue (12%)



- Red (75%)
- Yellow (75%)
- Blue (12%)



- Cyan (0%)
- Magenta (42%)
- Yellow (84%)
- Black (25%)





- Cyan (25%)
- Magenta (56%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7797, 22.8937, 4.2511 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 27.7797, 22.8937, 4.2511 by changing the saturation by 10% instead.


 27.7797, 22.8937,
4.2511


 27.7797, 22.8937,
4.2511


283.5119,
267.1785, 150.9767


 18.2993, 14.5150,
1.7641


 55.5436, 48.2187,
14.5849

 11.2660, 8.4797,
0.4041


 74.5578, 65.9339,
23.2687


 6.3147, 4.4034,
0.0000


 97.4807, 87.5300,
34.8552

 3.0798, 1.9017,
0.0000

 124.6775,
113.3914, 49.7629

 1.1961, 0.5494,
0.0000

 156.5137,
143.9026, 68.4103

 0.1033, 0.0000,
0.0000

 193.3546,

 0.0000, 0.0000,

179.4479, 91.2161

0.0000

235.5656,
220.4118, 118.5987

27.7797, 22.8937,
4.2511

27.7797, 22.8937,
4.2511

26.6005, 20.8270,
2.9596

29.2220, 25.2461,
6.3734

25.9760, 19.6823,
2.4300

30.9525, 27.8966,
9.4492

32.9943, 30.8604,
13.5816

35.3670, 34.1502,
18.8600

38.0887, 37.7781,
25.3640

■ 41.1756, 41.7550,
33.1662

■ 44.6432, 46.0915,
42.3333

■ 48.5056, 50.7975,
52.9276

■ 52.7764, 55.8825,
65.0073

Harmonies

Analogous

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



34.1889, 22.8937, 9.3140



27.7797, 22.8937, 4.2511



20.7551, 22.8937, 3.2718

Triad

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



27.7797, 22.8937, 4.2511



11.2787, 22.8937, 27.9658



29.9123, 22.8937, 69.3379

Complementary

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



27.7797, 22.8937, 4.2511



15.7636, 15.4653, 52.0230

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.



22.7963, 22.8937, 82.7568



27.7797, 22.8937, 4.2511



12.7802, 22.8937, 52.2452

Square

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



27.7797, 22.8937, 4.2511



12.0777, 22.8937, 12.1947



16.6791, 22.8937, 75.2808



35.5868, 22.8937, 44.3852

Rectangle

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



27.7797, 22.8937, 4.2511



16.8353, 22.8937, 4.1752



16.6791, 22.8937, 75.2808



27.5615, 22.8937, 75.8007

Sweetspot

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



27.7802, 22.8949, 4.2515



73.6983, 74.5007, 57.7484



25.1250, 13.3453, 16.4357



15.3771, 15.4271, 11.2840



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.



27.7802, 22.8949, 4.2515



46.8153, 35.1590, 4.3189



40.8349, 49.0043, 8.6031



10.4826, 10.8965, 10.6126



17.5572, 13.4001, 1.6611



0.8275, 0.7168, 0.0947

Inverse Universe

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



15.7636, 15.4653, 52.0230



24.4682, 21.3530, 93.1922



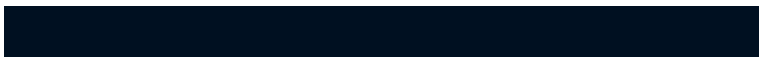
10.5696, 5.0772, 50.2917



9.9324, 10.5561, 12.7989



9.2578, 8.2721, 34.6654



0.4690, 0.4953, 1.5208

Previews

White Background



This preview shows how the XYZ color 27.7797, 22.8937, 4.2511 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 27.7797, 22.8937, 4.2511 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 27.7797, 22.8937, 4.2511

Background



This preview shows how black text looks on a background with the XYZ color 27.7797, 22.8937, 4.2511.



This preview shows how white text looks on a background with the XYZ color 27.7797, 22.8937,

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

27.7797, 22.8937, 4.2511

Protanopia

20.7824, 22.9258, 4.9988

Deuteranopia

23.4348, 22.9487, 4.0585



Tritanopia

30.7412, 23.0088, 18.1501

Trichromacy



Original Color

27.7797, 22.8937, 4.2511

Protanomaly

22.9322, 22.6752, 4.6815

Deuteranomaly

24.8188, 22.7422, 4.1185

Tritanomaly

29.4296, 22.9518, 11.0626

Monochromacy



Original Color

27.7797, 22.8937, 4.2511

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.6538, 21.2711, 13.0897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7797, 22.8937, 4.2511 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(192, 112, 31)` looks like.

```
.text, #text, p{  
    color:rgb(192, 112, 31)  
}
```

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(192, 112, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 112, 31) }
```

Border

The CSS property to change the border of an element to XYZ 27.7797, 22.8937, 4.2511 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(192, 112, 31) }
```


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

```
.border{ border-color:rgb(192, 112, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 112, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 112, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 112, 31);  
box-shadow:4px 4px 4px 4px rgb(192, 112,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7797, 22.8937, 4.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 112, 31) }
```

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

```
.background{ background-color: rgb(192,  
112, 31) }
```

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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