

Converting Colors

XYZ(24.9770, 16.6664, 3.9983)

Have a look what the booklet for
XYZ(24.9770, 16.6664, 3.9983)
contains.

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Color

**XYZ(24.9770, 16.6664,
3.9983)**

Conversions

Conversions Part 1

Format	Color
Hex	C14C29
RGB	193, 76, 41
RGB Percent	76%, 30%, 16%
CMY	0.2431, 0.7019, 0.8392
CMYK	0.00, 0.61, 0.79, 0.24
HSL	14°, 65%, 46%
HSV	14°, 79%, 76%
XYZ	24.9770, 16.6664, 3.9983
YIQ	106.9930, 80.9670, 13.9190

Conversions

Conversions Part 2

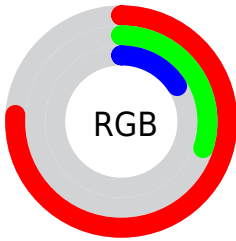
Format	Color
R _Y B	193, 86, 41
Decimal	12667945
CIE Lab	47.84, 45.10, 43.59
CIE LCh	48, 62.722, 44.022
Yxy	16.6664, 0.5472, 0.3652
Android (android.graphics.Color)	4290858025 (0xFFC14C29)
YUV	106.9930, -32.5345, 75.4281
Hunter-Lab	40.8245, 37.7659, 22.7704

Details

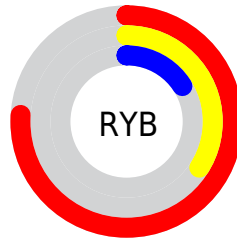
The XYZ color **24.9770, 16.6664, 3.9983** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **22.7658, 28.7731, 54.8057**, and the grayscale version is **14.0455, 14.7769, 16.0921**.

A 20% lighter version of the original color is **50.8934, 37.6818, 14.0421**, and **9.7659, 5.4058, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **23.8110, 14.7479, 2.3357**, and if you desaturate by 10%, it is **26.5451, 19.1254, 6.6093**.

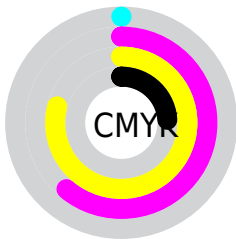
Distribution



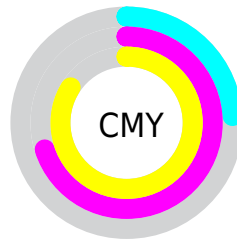
- Red (76%)
- Green (30%)
- Blue (16%)



- Red (76%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (61%)
- Yellow (79%)
- Black (24%)





- Cyan (24%)
- Magenta (70%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9770, 16.6664, 3.9983 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 24.9770, 16.6664, 3.9983 by changing the saturation by 10% instead.


 24.9770, 16.6664,
3.9983


 24.9770, 16.6664,
3.9983


270.0731,
233.2425, 148.2065


 16.1886, 9.9969,
1.6244


 51.0631, 37.7513,
14.0058


 9.7494, 5.3969,
0.3081


 69.0914, 52.9355,
22.4766


 5.2941, 2.4820,
0.0000

 90.9304, 71.7268,
33.8167

 2.4574, 0.8676,
0.0000

 116.9455, 94.5095,
48.4447

 0.8738, 0.0000,
0.0000

 147.5019,
121.6680, 66.7791

 0.0000, 0.0000,
0.0000

 182.9651,

153.5868, 89.2385

223.7004,
190.6502, 116.2415

■ 24.9770, 16.6664,
3.9983

■ 24.9770, 16.6664,
3.9983

■ 23.8110, 14.7479,
2.3357

■ 26.5451, 19.1254,
6.6093

■ 22.9940, 13.3199,
1.4280

■ 28.5504, 22.1606,
10.2850

■ 22.9097, 13.1724,
1.3350

■ 31.0251, 25.8073,
15.1256

■ 33.9979, 30.0976,
21.2197

■ 37.4950, 35.0609,
28.6469

■ 41.5409, 40.7248,
37.4803

■ 46.1584, 47.1154,
47.7879

■ 51.3688, 54.2576,
59.6328

■ 57.1927, 62.1748,
73.0749

Harmonies

Analogous

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



28.8465, 16.6664, 11.6203



24.9770, 16.6664, 3.9983



19.0139, 16.6664, 1.6774

Triad

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



24.9770, 16.6664, 3.9983



7.5422, 16.6664, 10.8764



18.6131, 16.6664, 67.9551

Complementary

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



24.9770, 16.6664, 3.9983



22.7658, 28.7731, 54.8057

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.



13.0421, 16.6664, 67.2960



24.9770, 16.6664, 3.9983



7.4840, 16.6664, 26.7492

Square

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



24.9770, 16.6664, 3.9983



9.4425, 16.6664, 3.7312



9.2584, 16.6664, 49.3713



24.6243, 16.6664, 50.8458

Rectangle

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



24.9770, 16.6664, 3.9983



15.0933, 16.6664, 1.4583



9.2584, 16.6664, 49.3713



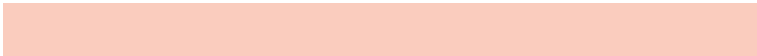
16.6128, 16.6664, 70.0206

Sweetspot

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



24.9774, 16.6673, 3.9986



70.2048, 67.0806, 57.9193



29.1361, 15.4637, 34.7373



14.5216, 13.6331, 11.2545



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.



24.9774, 16.6673, 3.9986



41.4753, 24.3679, 2.8814



33.2881, 33.2889, 6.7688



10.2573, 10.4459, 10.5375



15.2890, 8.8638, 0.9051



0.7149, 0.4915, 0.0572

Inverse Universe

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



22.7658, 28.7731, 54.8057



36.9637, 46.1084, 97.3119



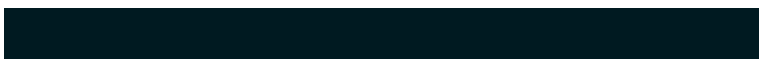
13.7156, 10.6727, 51.7889



10.1655, 11.0224, 12.8766



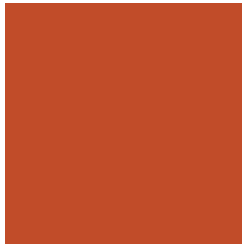
13.5662, 16.8889, 36.1015



0.6354, 0.8281, 1.5762

Previews

White Background



This preview shows how the XYZ color 24.9770, 16.6664, 3.9983 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 24.9770, 16.6664, 3.9983 looks on a black 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

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

XYZ 24.9770, 16.6664, 3.9983

Background



This preview shows how black text looks on a background with the XYZ color 24.9770, 16.6664, 3.9983.



This preview shows how white text looks on a background with the XYZ color 24.9770, 16.6664,

3.9983.

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

24.9770, 16.6664, 3.9983

Protanopia

15.3895, 16.7946, 5.6794

Deuteranopia

16.9510, 16.6690, 3.6905



Tritanopia

25.8700, 16.6259, 8.6831

Trichromacy



Original Color

24.9770, 16.6664, 3.9983

Protanomaly

17.8532, 15.9071, 4.9257

Deuteranomaly

19.1842, 16.0642, 3.6797

Tritanomaly

25.5279, 16.5933, 6.5600

Monochromacy



Original Color

24.9770, 16.6664, 3.9983

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.2254, 14.3935, 10.1067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9770, 16.6664, 3.9983 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(193, 76, 41)` looks like.

```
.text, #text, p{  
    color:rgb(193, 76, 41)  
}
```

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(193, 76, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 76, 41) }
```

Border

The CSS property to change the border of an element to XYZ 24.9770, 16.6664, 3.9983 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(193, 76, 41) }
```


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

```
.border{ border-color:rgb(193, 76, 41) }
```

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

Here you see how a box with a 4 pixel rgb(193, 76, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 76, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 76, 41);  
box-shadow:4px 4px 4px 4px rgb(193, 76,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9770, 16.6664, 3.9983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 76, 41) }
```

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

```
.background{ background-color: rgb(193, 76,  
41) }
```

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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