

Converting Colors

XYZ(21.2844, 15.6542, 2.9983)

Have a look what the booklet for
XYZ(21.2844, 15.6542, 2.9983)
contains.

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Color

**XYZ(21.2844, 15.6546,
2.9984)**

Conversions

Conversions Part 1

Format	Color
Hex	B0541C
RGB	176, 84, 28
RGB Percent	69%, 33%, 11%
CMY	0.3098, 0.6706, 0.8902
CMYK	0.00, 0.52, 0.84, 0.31
HSL	23°, 73%, 40%
HSV	23°, 84%, 69%
XYZ	21.2844, 15.6546, 2.9984
YIQ	105.1240, 72.8080, 2.0880

Conversions

Conversions Part 2

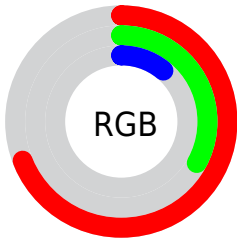
Format	Color
RYB	176, 118, 28
Decimal	11555868
CIELab	46.52, 34.16, 47.39
CIELCh	47, 58.419, 54.221
Yxy	15.6546, 0.5329, 0.3920
Android (android.graphics.Color)	4289745948 (0xFFB0541C)
YUV	105.1240, -38.0221, 62.1583
Hunter-Lab	39.5659, 26.7834, 23.2030

Details

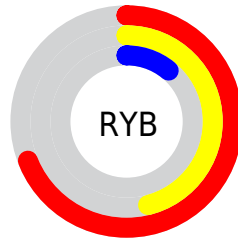
The XYZ color **21.2844, 15.6546, 2.9984** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.0311, 16.8131, 43.5269**, and the grayscale version is **13.5475, 14.2530, 15.5215**.

A 20% lighter version of the original color is **44.9286, 35.8683, 11.5765**, and **7.9372, 4.9840, 0.5437** is the 20% darker color. If you saturate the color by 10%, you get **20.3482, 14.0266, 1.9337**, and if you desaturate by 10%, it is **22.4770, 17.5988, 4.7560**.

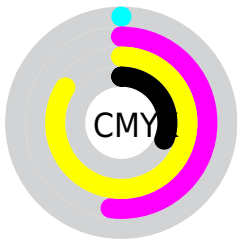
Distribution



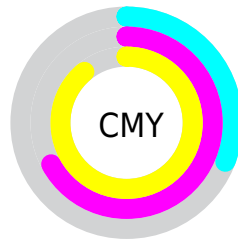
- Red (69%)
- Green (33%)
- Blue (11%)



- Red (69%)
- Yellow (46%)
- Blue (11%)



- Cyan (0%)
- Magenta (52%)
- Yellow (84%)
- Black (31%)



- Cyan (31%)
- Magenta (67%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2844, 15.6546, 2.9984 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 21.2844, 15.6546, 2.9984 by changing the saturation by 10% instead.

■ 21.2844, 15.6546,
2.9984

■ 21.2844, 15.6546,
2.9984

251.4893,
227.2949, 136.3402

■ 13.4457, 9.2801,
1.0938

■ 45.0481, 35.9975,
11.6245

■ 7.8153, 4.9243,
0.0000

■ 61.7038, 50.7347,
19.1831

■ 4.0278, 2.2029,
0.0000

■ 82.0292, 69.0282,
29.4634

■ 1.7179, 0.7216,
0.0000

■ 106.3897, 91.2625,
42.8840

■ 0.4674, 0.0000,
0.0000

■ 135.1506,
117.8219, 59.8635

■ 0.0000, 0.0000,
0.0000

■ 168.6772,

149.0908, 80.8203

207.3350,
185.4537, 106.1731

21.2844, 15.6546,
2.9984

21.2844, 15.6546,
2.9984

20.3482, 14.0266,
1.9337

22.4770, 17.5988,
4.7560

19.8878, 13.1970,
1.4991

23.9494, 19.8757,
7.3063

25.7231, 22.5031,
10.7333

27.8165, 25.4967,
15.1101

30.2468, 28.8710,
20.5018

■ 33.0294, 32.6397,
26.9678

■ 36.1790, 36.8158,
34.5631

■ 39.7093, 41.4116,
43.3384

■ 43.6332, 46.4388,
53.3419

Harmonies

Analogous

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



25.5641, 15.6546, 8.0161



21.2844, 15.6546, 2.9984



15.8751, 15.6546, 1.6676

Triad

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



21.2844, 15.6546, 2.9984



7.1787, 15.6546, 14.4040



19.2128, 15.6546, 56.8700

Complementary

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



21.2844, 15.6546, 2.9984



15.0311, 16.8131, 43.5269

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.



13.9259, 15.6546, 62.1587



21.2844, 15.6546, 2.9984



7.6839, 15.6546, 31.1304

Square

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



21.2844, 15.6546, 2.9984



8.3283, 15.6546, 5.4339



9.9083, 15.6546, 50.8637



24.1916, 15.6546, 38.9253

Rectangle

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



21.2844, 15.6546, 2.9984



12.6264, 15.6546, 1.8226



9.9083, 15.6546, 50.8637



17.3853, 15.6546, 60.4954

Sweetspot

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



21.2847, 15.6555, 2.9987



59.1867, 58.2346, 47.2136



21.8160, 11.4591, 19.3879



12.4427, 12.1025, 9.3328



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.2847, 15.6555, 2.9987



35.8687, 23.5319, 2.6516



30.0471, 33.1803, 5.9195



8.7511, 9.0148, 8.9313



14.6448, 9.7881, 1.1174



0.5181, 0.4226, 0.0543

Inverse Universe

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



15.0311, 16.8131, 43.5269



23.9833, 25.2262, 78.1004



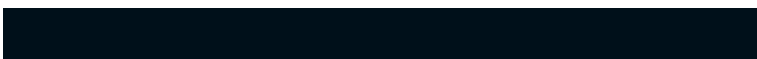
9.3614, 5.4737, 41.6371



8.4671, 9.0804, 10.8128



9.8512, 10.5028, 31.6450



0.3640, 0.4385, 1.0137

Previews

White Background



This preview shows how the XYZ color 21.2844, 15.6546, 2.9984 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 21.2844, 15.6546, 2.9984 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 21.2844, 15.6546, 2.9984

Background



This preview shows how black text looks on a background with the XYZ color 21.2844, 15.6546, 2.9984.



This preview shows how white text looks on a background with the XYZ color 21.2844, 15.6546,

2.9984.

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

21.2844, 15.6546, 2.9984

Protanopia

14.3000, 15.7753, 3.8814

Deuteranopia

15.9760, 15.7223, 2.7649



Tritanopia

22.7563, 15.6970, 10.2179

Trichromacy



Original Color

21.2844, 15.6546, 2.9984

Protanomaly

16.2421, 15.2513, 3.4542

Deuteranomaly

17.5564, 15.3796, 2.8023

Tritanomaly

21.9993, 15.6021, 6.7025

Monochromacy



Original Color

21.2844, 15.6546, 2.9984

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.9743, 13.9105, 8.9169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2844, 15.6546, 2.9984 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(176, 84, 28)` looks like.

```
.text, #text, p{  
    color:rgb(176, 84, 28)  
}
```

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(176, 84, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 84, 28) }
```

Border

The CSS property to change the border of an element to XYZ 21.2844, 15.6546, 2.9984 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(176, 84, 28) }
```


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

```
.border{ border-color:rgb(176, 84, 28) }
```

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

Here you see how a box with a 4 pixel rgb(176, 84, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 84, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 84, 28);  
box-shadow:4px 4px 4px 4px rgb(176, 84,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2844, 15.6546, 2.9984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 84, 28) }
```

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

```
.background{ background-color: rgb(176, 84,  
28) }
```

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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