

Converting Colors

XYZ(32.0576, 21.7165, 7.7033)

Have a look what the booklet for
XYZ(32.0576, 21.7165, 7.7033)
contains.

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Color

**XYZ(31.9963, 21.6842,
7.6533)**

Conversions

Conversions Part 1

Format	Color
Hex	D55942
RGB	213, 89, 66
RGB Percent	84%, 35%, 26%
CMY	0.1647, 0.6510, 0.7412
CMYK	0.00, 0.58, 0.69, 0.16
HSL	9°, 64%, 55%
HSV	9°, 69%, 84%
XYZ	31.9963, 21.6842, 7.6533
YIQ	123.4540, 81.2870, 19.1350

Conversions

Conversions Part 2

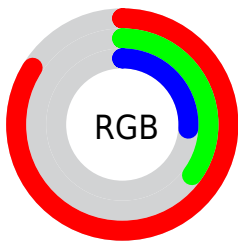
Format	Color
R_{YB}	213, 93, 66
Decimal	13982018
CIE _{Lab}	53.69, 47.43, 37.62
CIE _{LCh}	54, 60.538, 38.416
Y _{xy}	21.6842, 0.5217, 0.3535
Android (android.graphics.Color)	4292172098 (0xFFD55942)
YUV	123.4540, -28.3248, 78.5318
Hunter-Lab	46.5663, 41.1586, 22.8519

Details

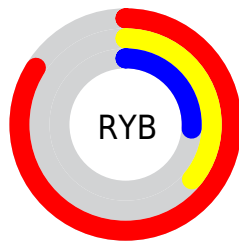
The XYZ color **31.9963, 21.6842, 7.6533** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **32.6689, 42.7861, 69.4871**, and the grayscale version is **19.0496, 20.0417, 21.8254**.

A 20% lighter version of the original color is **54.1570, 42.1427, 21.4996**, and **13.6563, 7.8736, 1.5095** is the 20% darker color. If you saturate the color by 10%, you get **30.1642, 18.8449, 4.5001**, and if you desaturate by 10%, it is **34.4280, 25.3490, 12.1597**.

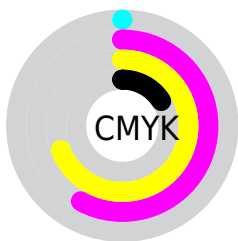
Distribution



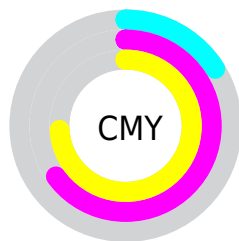
- Red (84%)
- Green (35%)
- Blue (26%)



- Red (84%)
- Yellow (36%)
- Blue (26%)



- Cyan (0%)
- Magenta (58%)
- Yellow (69%)
- Black (16%)





- Cyan (16%)
- Magenta (65%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9963, 21.6842, 7.6533 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 31.9963, 21.6842, 7.6533 by changing the saturation by 10% instead.


 31.9963, 21.6842,
7.6533


 31.9963, 21.6842,
7.6533


302.8480,
260.8926, 182.8187


 21.5142, 13.6250,
3.7893


 62.1705, 46.2235,
21.8108

 13.6150, 7.8603,
1.5105


 82.5934, 63.4724,
32.9413

 7.9333, 4.0057,
0.2257


 107.0605, 84.5534,
47.3312

 4.1037, 1.6768,
0.0000

 135.9373,
109.8508, 65.3989

 1.7610, 0.4085,
0.0000

 169.5891,
139.7490, 87.5629

 0.4940, 0.0000,
0.0000

 208.3812,

 0.0000, 0.0000,

174.6325, 114.2419

0.0000

252.6791,
214.8855, 145.8543

■ 31.9963, 21.6842,
7.6533

■ 31.9963, 21.6842,
7.6533

■ 30.1642, 18.8449,
4.5001

■ 34.4280, 25.3490,
12.1597

■ 28.8756, 16.7626,
2.5454

■ 37.5053, 29.8937,
18.1489

■ 28.0561, 15.3591,
1.5462


■ 41.2714, 35.3719,
25.7364

■ 27.9936, 15.2525,
1.4686


■ 45.7653, 41.8322,
35.0260

■ 51.0228, 49.3196,
46.1127

 57.0777, 57.8762,
59.0844

 63.9614, 67.5421,
74.0234

 71.7037, 78.3550,
91.0070

 79.8952, 90.1757,
107.8025

Harmonies

Analogous

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



35.5576, 21.6842, 18.7628



31.9963, 21.6842, 7.6533



25.5423, 21.6842, 3.5449

Triad

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



31.9963, 21.6842, 7.6533



11.0589, 21.6842, 12.7654



22.4883, 21.6842, 79.4313

Complementary

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



31.9963, 21.6842, 7.6533



32.6689, 42.7861, 69.4871

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.



16.3577, 21.6842, 74.7702



31.9963, 21.6842, 7.6533



10.5777, 21.6842, 29.2283

Square

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



31.9963, 21.6842, 7.6533



13.7965, 21.6842, 5.2346



12.3074, 21.6842, 53.4519



29.3631, 21.6842, 64.0623

Rectangle

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



31.9963, 21.6842, 7.6533



20.9565, 21.6842, 2.8873



12.3074, 21.6842, 53.4519



20.2677, 21.6842, 80.2665

Sweetspot

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



31.9968, 21.6854, 7.6537



74.8406, 71.5081, 65.3942



38.7871, 21.8019, 51.4250



15.5374, 14.6207, 12.9792



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.9968, 21.6854, 7.6537



44.2998, 26.6716, 5.1326



41.2650, 40.2218, 10.7431



12.5786, 12.7315, 12.9552



17.1479, 9.4131, 0.9131



1.0846, 0.6685, 0.0719

Inverse Universe

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



32.6689, 42.7861, 69.4871



45.1490, 59.9172, 103.7933



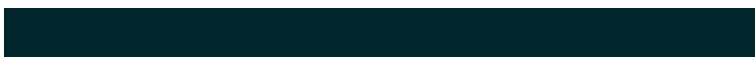
20.6709, 18.7901, 65.4878



12.6190, 13.7613, 15.9286



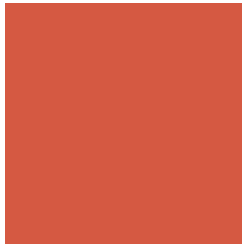
17.3264, 22.9145, 41.9629



1.0906, 1.4732, 2.5462

Previews

White Background



This preview shows how the XYZ color 31.9963, 21.6842, 7.6533 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 31.9963, 21.6842, 7.6533 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 31.9963, 21.6842, 7.6533

Background



This preview shows how black text looks on a background with the XYZ color 31.9963, 21.6842, 7.6533.



This preview shows how white text looks on a background with the XYZ color 31.9963, 21.6842,

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

31.9963, 21.6842, 7.6533

Protanopia

20.2827, 21.9424, 10.7557

Deuteranopia

22.1705, 21.8526, 7.1871



Tritanopia

32.9477, 21.7070, 12.3509

Trichromacy



Original Color

31.9963, 21.6842, 7.6533

Protanomaly

23.2237, 20.7581, 9.4393

Deuteranomaly

25.1443, 21.3004, 7.3436

Tritanomaly

32.6627, 21.7217, 10.4538

Monochromacy



Original Color

31.9963, 21.6842, 7.6533

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.7930, 19.3961, 15.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9963, 21.6842, 7.6533 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(213, 89, 66)` looks like.

```
.text, #text, p{  
    color:rgb(213, 89, 66)  
}
```

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(213, 89, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 89, 66) }
```

Border

The CSS property to change the border of an element to XYZ 31.9963, 21.6842, 7.6533 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(213, 89, 66) }
```


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

```
.border{ border-color:rgb(213, 89, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 89, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 89, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 89, 66);  
box-shadow:4px 4px 4px 4px rgb(213, 89,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9963, 21.6842, 7.6533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 89, 66) }
```

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

```
.background{ background-color: rgb(213, 89,  
66) }
```

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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