

Converting Colors

XYZ(31.0279, 20.9859, 8.7570)

Have a look what the booklet for
XYZ(31.0279, 20.9859, 8.7570)
contains.

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Color

**XYZ(30.9868, 21.0158,
8.7266)**

Conversions

Conversions Part 1

Format	Color
Hex	D15849
RGB	209, 88, 73
RGB Percent	82%, 35%, 29%
CMY	0.1804, 0.6549, 0.7137
CMYK	0.00, 0.58, 0.65, 0.18
HSL	7°, 60%, 55%
HSV	7°, 65%, 82%
XYZ	30.9868, 21.0158, 8.7266
YIQ	122.4690, 76.9310, 20.9870

Conversions

Conversions Part 2

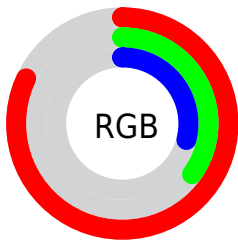
Format	Color
R_{YB}	209, 90, 73
Decimal	13719625
CIE _{Lab}	52.97, 46.85, 32.68
CIE _{LCh}	53, 57.124, 34.894
Yxy	21.0158, 0.5102, 0.3461
Android (android.graphics.Color)	4291909705 (0xFFD15849)
YUV	122.4690, -24.3882, 75.8877
Hunter-Lab	45.8430, 40.4288, 20.8037

Details

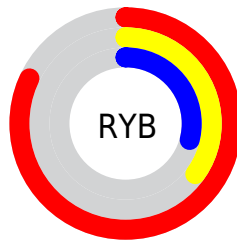
The XYZ color **30.9868, 21.0158, 8.7266** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **33.5464, 44.6002, 67.1618**, and the grayscale version is **18.7127, 19.6872, 21.4394**.

A 20% lighter version of the original color is **54.4259, 42.0111, 23.6528**, and **12.9662, 7.4675, 1.8566** is the 20% darker color. If you saturate the color by 10%, you get **29.0701, 18.1114, 5.2244**, and if you desaturate by 10%, it is **33.5265, 24.7940, 13.5850**.

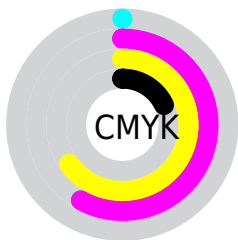
Distribution



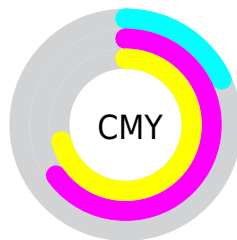
- Red (82%)
- Green (35%)
- Blue (29%)



- Red (82%)
- Yellow (35%)
- Blue (29%)



- Cyan (0%)
- Magenta (58%)
- Yellow (65%)
- Black (18%)





- Cyan (18%)
- Magenta (65%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9868, 21.0158, 8.7266 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 30.9868, 21.0158, 8.7266 by changing the saturation by 10% instead.


 30.9868, 21.0158,
8.7266


 30.9868, 21.0158,
8.7266


298.3055,
257.3625, 191.4674


 20.7406, 13.1356,
4.4689


 60.5953, 45.1138,
23.9403

 13.0459, 7.5220,
1.8860


 80.6882, 62.1004,
35.7334


 7.5374, 3.7906,
0.4838

 104.7941, 82.8912,
50.8754

 3.8497, 1.5571,
0.0000

 133.2784,
107.8706, 69.7848

 1.6174, 0.3284,
0.0000

 166.5063,
137.4231, 92.8801

 0.4037, 0.0000,
0.0000

204.8432,

 0.0000, 0.0000,

171.9329, 120.5800

0.0000

248.6544,
211.7846, 153.3029

■ 30.9868, 21.0158,
8.7266

■ 30.9868, 21.0158,
8.7266

■ 29.0701, 18.1114,
5.2244

■ 33.5265, 24.7940,
13.5850

■ 27.7203, 16.0072,
2.9389

■ 36.7357, 29.5051,
19.9185

■ 26.8734, 14.6231,
1.7020

■ 40.6583, 35.2069,
27.8339

■ 26.6019, 14.1705,
1.3331

■ 45.3339, 41.9516,
37.4279

■ 50.7992, 49.7877,
48.7896

■ 57.0885, 58.7606,
62.0017

■ 64.2340, 68.9133,
77.1415

■ 72.2663, 80.2865,
94.2822

■ 80.1043, 92.2952,
108.2006

Harmonies

Analogous

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



33.7851, 21.0158, 20.1830



30.9868, 21.0158, 8.7266



25.2700, 21.0158, 4.1267

Triad

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



30.9868, 21.0158, 8.7266



11.2567, 21.0158, 11.5481



20.9734, 21.0158, 73.9788

Complementary

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



30.9868, 21.0158, 8.7266



33.5464, 44.6002, 67.1618

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.



15.4765, 21.0158, 67.6206



30.9868, 21.0158, 8.7266



10.5581, 21.0158, 25.8128

Square

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



30.9868, 21.0158, 8.7266



14.0851, 21.0158, 5.0915



11.9403, 21.0158, 47.4080



27.3129, 21.0158, 61.9911

Rectangle

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



30.9868, 21.0158, 8.7266



21.0174, 21.0158, 3.2454



11.9403, 21.0158, 47.4080



18.9674, 21.0158, 73.9555

Sweetspot

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



30.9873, 21.0170, 8.7270



75.0938, 71.5291, 66.9754



38.5725, 22.2787, 54.1341



15.5638, 14.5792, 13.2786



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.



30.9873, 21.0170, 8.7270



44.6840, 27.0020, 6.6110



39.1518, 37.3460, 11.4485



11.9123, 12.0152, 12.3034



16.4381, 8.8092, 0.8340



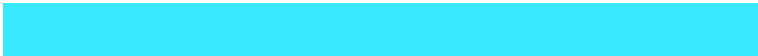
0.9554, 0.5650, 0.0587

Inverse Universe

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



33.5464, 44.6002, 67.1618



48.8402, 66.3712, 104.8445



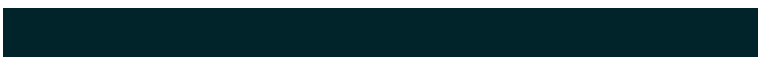
21.8974, 21.3023, 63.2788



12.0423, 13.1749, 15.1520



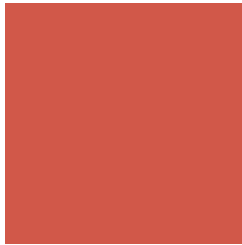
17.9590, 24.5646, 40.9874



1.0367, 1.4386, 2.3026

Previews

White Background



This preview shows how the XYZ color 30.9868, 21.0158, 8.7266 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 30.9868, 21.0158, 8.7266 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 30.9868, 21.0158, 8.7266

Background



This preview shows how black text looks on a background with the XYZ color 30.9868, 21.0158, 8.7266.



This preview shows how white text looks on a background with the XYZ color 30.9868, 21.0158,

8.7266.

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

30.9868, 21.0158, 8.7266

Protanopia

19.6674, 21.2017, 12.2883

Deuteranopia

21.5608, 21.1479, 8.2558



Tritanopia

31.7152, 20.9540, 12.2705

Trichromacy



Original Color

30.9868, 21.0158, 8.7266

Protanomaly

22.5707, 20.2213, 10.8971

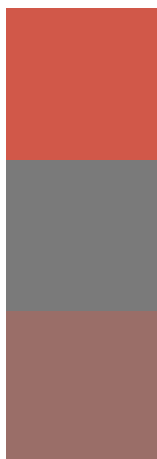
Deuteranomaly

24.2220, 20.4809, 8.3068

Tritanomaly

31.5064, 20.9973, 10.7798

Monochromacy



Original Color

30.9868, 21.0158, 8.7266

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.4010, 19.0214, 15.6402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9868, 21.0158, 8.7266 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(209, 88, 73)` looks like.

```
.text, #text, p{  
    color:rgb(209, 88, 73)  
}
```

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(209, 88, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 88, 73) }
```

Border

The CSS property to change the border of an element to XYZ 30.9868, 21.0158, 8.7266 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(209, 88, 73) }
```


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

```
.border{ border-color:rgb(209, 88, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 88, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 88, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 88, 73);  
box-shadow:4px 4px 4px 4px rgb(209, 88,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9868, 21.0158, 8.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 88, 73) }
```

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

```
.background{ background-color: rgb(209, 88,  
73) }
```

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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