

Converting Colors

XYZ(30.9590, 19.6841, 6.8329)

Have a look what the booklet for
XYZ(30.9590, 19.6841, 6.8329)
contains.

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Color

**XYZ(30.9222, 19.6739,
6.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	D54C3F
RGB	213, 76, 63
RGB Percent	84%, 30%, 25%
CMY	0.1647, 0.7019, 0.7529
CMYK	0.00, 0.64, 0.70, 0.16
HSL	5°, 64%, 54%
HSV	5°, 70%, 84%
XYZ	30.9222, 19.6739, 6.8703
YIQ	115.4810, 85.8250, 25.0010

Conversions

Conversions Part 2

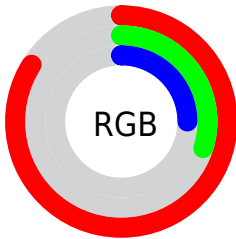
Format	Color
R_{YB}	213, 77, 63
Decimal	13978687
CIE Lab	51.47, 53.08, 36.70
CIE LCh	51, 64.533, 34.659
Yxy	19.6739, 0.5381, 0.3424
Android (android.graphics.Color)	4292168767 (0xFFD54C3F)
YUV	115.4810, -25.8731, 85.5242
Hunter-Lab	44.3553, 46.8192, 21.8651

Details

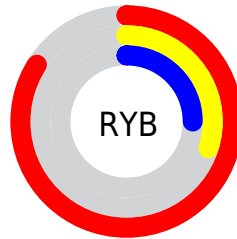
The XYZ color **30.9222, 19.6739, 6.8703** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **34.7124, 47.1654, 70.2246**, and the grayscale version is **16.5009, 17.3602, 18.9053**.

A 20% lighter version of the original color is **52.2255, 38.6403, 19.7447**, and **12.9886, 6.8434, 1.2524** is the 20% darker color. If you saturate the color by 10%, you get **29.2942, 17.1936, 3.9373**, and if you desaturate by 10%, it is **33.1863, 23.0587, 11.1511**.

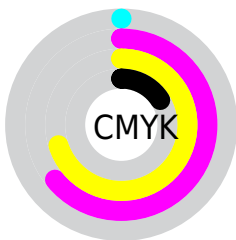
Distribution



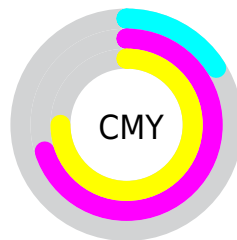
- Red (84%)
- Green (30%)
- Blue (25%)



- Red (84%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (64%)
- Yellow (70%)
- Black (16%)





- Cyan (16%)
- Magenta (70%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9222, 19.6739, 6.8703 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 30.9222, 19.6739, 6.8703 by changing the saturation by 10% instead.


 30.9222, 19.6739,
6.8703

 30.9222, 19.6739,
6.8703


298.0130,
250.1442, 176.1715


 20.6911, 12.1582,
3.3039


 60.4942, 42.8698,
20.2202

 13.0096, 6.8515,
1.2518


 80.5659, 59.3188,
30.8408

 7.5122, 3.3694,
0.0218


 104.6486, 79.5143,
44.6499

 3.8336, 1.3275,
0.0000

 133.1075,
103.8408, 62.0660

 1.6084, 0.1623,
0.0000

 166.3080,
132.6827, 83.5077

 0.3979, 0.0000,
0.0000

 204.6155,

 0.0000, 0.0000,

166.4242, 109.3934

0.0000

248.3954,
205.4500, 140.1419

■ 30.9222, 19.6739,
6.8703

■ 30.9222, 19.6739,
6.8703

■ 29.2942, 17.1936,
3.9373

■ 33.1863, 23.0587,
11.1511

■ 28.2350, 15.5276,
2.1897


■ 36.1421, 27.4203,
16.9148


■ 27.6644, 14.5941,
1.3589


■ 39.8406, 32.8276,
24.2813


■ 44.3275, 39.3423,
33.3578

■ 49.6448, 47.0213,
44.2424

 55.8317, 55.9175,
57.0257

 62.9248, 66.0808,
71.7922

 70.9585, 77.5579,
88.6212

 79.9655, 90.3935,
107.5880

Harmonies

Analogous

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



34.0539, 19.6739, 18.6543



30.9222, 19.6739, 6.8703



24.5498, 19.6739, 2.6553

Triad

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



30.9222, 19.6739, 6.8703



9.5541, 19.6739, 9.4985



19.7289, 19.6739, 80.2271

Complementary

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



30.9222, 19.6739, 6.8703



34.7124, 47.1654, 70.2246

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.



13.8613, 19.6739, 72.4999



30.9222, 19.6739, 6.8703



8.8337, 19.6739, 24.4498

Square

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



30.9222, 19.6739, 6.8703



12.4757, 19.6739, 3.4422



10.2150, 19.6739, 48.7664



26.7100, 19.6739, 66.1661

Rectangle

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



30.9222, 19.6739, 6.8703



19.8824, 19.6739, 1.9213



10.2150, 19.6739, 48.7664



17.5644, 19.6739, 80.1379

Sweetspot

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



30.9226, 19.6750, 6.8706



73.9296, 69.6861, 65.0905



39.7017, 21.8947, 57.0837



15.3253, 14.1965, 12.9085



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.



30.9226, 19.6750, 6.8706



43.0593, 24.3324, 4.2821



39.3239, 36.4775, 9.6710



12.5090, 12.5922, 12.9319



16.9302, 8.9776, 0.8405



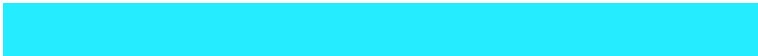
1.0518, 0.6028, 0.0609

Inverse Universe

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



34.7124, 47.1654, 70.2246



48.9126, 67.7449, 105.1058



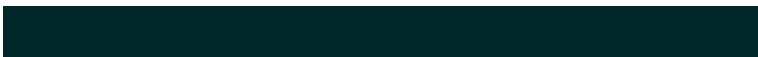
21.4572, 20.6551, 65.8062



12.6958, 13.9150, 15.9542



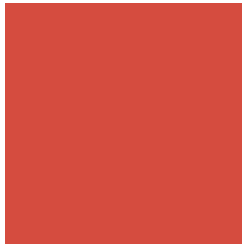
19.2305, 26.7228, 42.5976



1.1876, 1.6671, 2.5785

Previews

White Background



This preview shows how the XYZ color 30.9222, 19.6739, 6.8703 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 30.9222, 19.6739, 6.8703 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 30.9222, 19.6739, 6.8703

Background



This preview shows how black text looks on a background with the XYZ color 30.9222, 19.6739, 6.8703.



This preview shows how white text looks on a background with the XYZ color 30.9222, 19.6739,

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

30.9222, 19.6739, 6.8703

Protanopia

18.3258, 19.7988, 10.2528

Deuteranopia

20.1877, 19.7707, 6.3666



Tritanopia

31.5555, 19.7438, 9.3555

Trichromacy



Original Color

30.9222, 19.6739, 6.8703

Protanomaly

21.4609, 18.5756, 8.7577

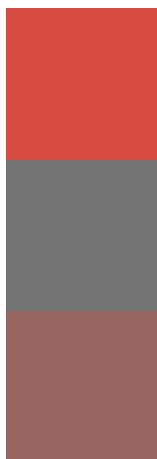
Deuteranomaly

23.1943, 18.9222, 6.4329

Tritanomaly

31.4502, 19.8093, 8.4693

Monochromacy



Original Color

30.9222, 19.6739, 6.8703

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.5275, 16.7312, 13.2666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9222, 19.6739, 6.8703 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, 76, 63)` looks like.

```
.text, #text, p{  
    color:rgb(213, 76, 63)  
}
```

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, 76, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 76, 63) }
```

Border

The CSS property to change the border of an element to XYZ 30.9222, 19.6739, 6.8703 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, 76, 63) }
```


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

```
.border{ border-color:rgb(213, 76, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 76, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 76, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 76, 63);  
box-shadow:4px 4px 4px 4px rgb(213, 76,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9222, 19.6739, 6.8703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 76, 63) }
```

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

```
.background{ background-color: rgb(213, 76,  
63) }
```

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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