

Converting Colors

XYZ(31.6085, 21.6808, 9.4896)

Have a look what the booklet for
XYZ(31.6085, 21.6808, 9.4896)
contains.

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Color

**XYZ(31.6590, 21.7196,
9.5449)**

Conversions

Conversions Part 1

Format	Color
Hex	D25B4D
RGB	210, 91, 77
RGB Percent	82%, 36%, 30%
CMY	0.1765, 0.6431, 0.6980
CMYK	0.00, 0.57, 0.63, 0.18
HSL	6°, 60%, 56%
HSV	6°, 63%, 82%
XYZ	31.6590, 21.7196, 9.5449
YIQ	124.9850, 75.4180, 20.8740

Conversions

Conversions Part 2

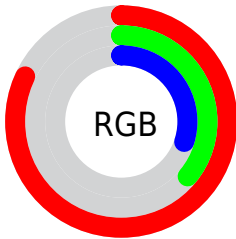
Format	Color
R_{YB}	210, 93, 77
Decimal	13785933
CIE Lab	53.73, 46.04, 31.38
CIE LCh	54, 55.717, 34.273
Yxy	21.7196, 0.5031, 0.3452
Android (android.graphics.Color)	4291976013 (0xFFD25B4D)
YUV	124.9850, -23.6566, 74.5582
Hunter-Lab	46.6043, 39.7002, 20.4800

Details

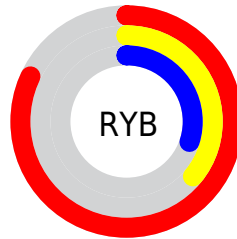
The XYZ color **31.6590, 21.7196, 9.5449** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.4320, 45.7079, 67.9803**, and the grayscale version is **19.5480, 20.5660, 22.3964**.

A 20% lighter version of the original color is **55.1313, 43.0172, 25.1361**, and **13.5000, 7.9115, 2.1820** is the 20% darker color. If you saturate the color by 10%, you get **29.6236, 18.6502, 5.7800**, and if you desaturate by 10%, it is **34.3368, 25.6912, 14.7047**.

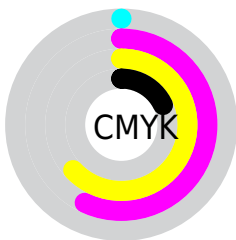
Distribution



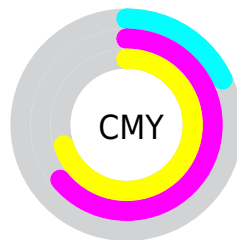
- Red (82%)
- Green (36%)
- Blue (30%)



- Red (82%)
- Yellow (36%)
- Blue (30%)



- Cyan (0%)
- Magenta (57%)
- Yellow (63%)
- Black (18%)





- Cyan (18%)
- Magenta (64%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6590, 21.7196, 9.5449 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 31.6590, 21.7196, 9.5449 by changing the saturation by 10% instead.


 31.6590, 21.7196,
9.5449


 31.6590, 21.7196,
9.5449


301.3359,
261.0784, 197.7577


 21.2555, 13.6510,
4.9966


 61.6449, 46.2821,
25.5302


 13.4244, 7.8783,
2.1866


 81.9580, 63.5448,
37.8043


 7.8004, 4.0172,
0.6666


 106.3050, 84.6411,
53.4908

 4.0182, 1.6832,
0.0000

 135.0513,
109.9552, 73.0082

 1.7125, 0.4127,
0.0000

 168.5621,
139.8716, 96.7751

 0.4640, 0.0000,
0.0000

207.2030,

 0.0000, 0.0000,

174.7746, 125.2099

0.0000

251.3391,
215.0488, 158.7313

■ 31.6590, 21.7196,
9.5449

■ 31.6590, 21.7196,
9.5449

■ 29.6236, 18.6502,
5.7800

■ 34.3368, 25.6912,
14.7047

■ 28.1744, 16.4085,
3.2724

■ 37.7036, 30.6247,
21.3770

■ 27.2480, 14.9144,
1.8581

■ 41.8037, 36.5785,
29.6684

■ 26.8673, 14.2798,
1.3402

■ 46.6768, 43.6058,
39.6753

■ 52.3602, 51.7558,
51.4866

■ 58.8884, 61.0746,
65.1853

■ 66.2942, 71.6060,
80.8489

■ 74.6083, 83.3913,
98.5507

■ 80.3882, 92.4416,
108.2138

Harmonies

Analogous

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



34.3399, 21.7196, 21.2829



31.6590, 21.7196, 9.5449



26.0394, 21.7196, 4.6738

Triad

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



31.6590, 21.7196, 9.5449



11.9321, 21.7196, 12.0547



21.5110, 21.7196, 73.9270

Complementary

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



31.6590, 21.7196, 9.5449



34.4320, 45.7079, 67.9803

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.



16.0503, 21.7196, 67.3585



31.6590, 21.7196, 9.5449



11.1809, 21.7196, 26.1841

Square

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



31.6590, 21.7196, 9.5449



14.8300, 21.7196, 5.5552



12.5355, 21.7196, 47.4178



27.8075, 21.7196, 62.5553

Rectangle

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



31.6590, 21.7196, 9.5449



21.8109, 21.7196, 3.7003



12.5355, 21.7196, 47.4178



19.5191, 21.7196, 73.7715

Sweetspot

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



31.6595, 21.7208, 9.5453



75.9042, 72.6563, 68.7669



39.2758, 23.0270, 55.0177



15.7192, 14.7942, 13.6257



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.



31.6595, 21.7208, 9.5453



45.0756, 27.5749, 7.3899



39.9410, 38.2838, 12.3058



11.9075, 12.0057, 12.3018



16.4242, 8.7815, 0.8293



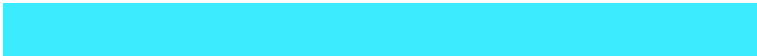
0.9531, 0.5606, 0.0580

Inverse Universe

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



34.4320, 45.7079, 67.9803



49.5782, 67.4012, 105.0044



22.7028, 22.2496, 64.0705



12.0476, 13.1855, 15.1537



18.0944, 24.8355, 41.0325



1.0430, 1.4511, 2.3047

Previews

White Background



This preview shows how the XYZ color 31.6590, 21.7196, 9.5449 looks on a white background.

Color Contrast Check

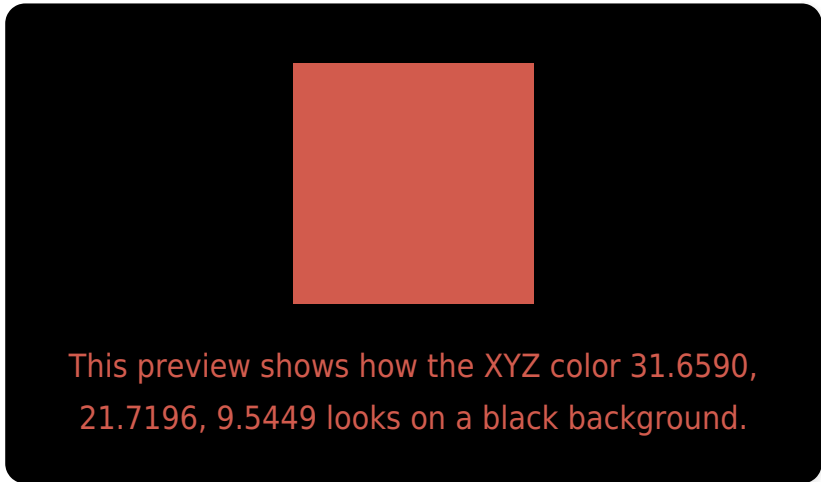
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 31.6590, 21.7196, 9.5449

Background



This preview shows how black text looks on a background with the XYZ color 31.6590, 21.7196, 9.5449.



This preview shows how white text looks on a background with the XYZ color 31.6590, 21.7196,

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

31.6590, 21.7196, 9.5449

Protanopia

20.4295, 21.9622, 13.2876

Deuteranopia

22.3208, 21.8900, 9.0100



Tritanopia

32.4567, 21.8018, 13.0872

Trichromacy



Original Color

31.6590, 21.7196, 9.5449

Protanomaly

23.3681, 20.9489, 11.8287

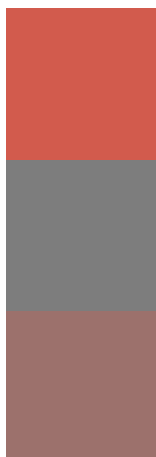
Deuteranomaly

25.0185, 21.1970, 9.0761

Tritanomaly

32.2816, 21.8658, 11.7516

Monochromacy



Original Color

31.6590, 21.7196, 9.5449

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.3222, 19.9609, 16.8637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6590, 21.7196, 9.5449 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(210, 91, 77)` looks like.

```
.text, #text, p{  
    color:rgb(210, 91, 77)  
}
```

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(210, 91, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 91, 77) }
```

Border

The CSS property to change the border of an element to XYZ 31.6590, 21.7196, 9.5449 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(210, 91, 77) }
```


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

```
.border{ border-color:rgb(210, 91, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 91, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 91, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 91, 77);  
box-shadow:4px 4px 4px 4px rgb(210, 91,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6590, 21.7196, 9.5449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 91, 77) }
```

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

```
.background{ background-color: rgb(210, 91,  
77) }
```

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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