

Converting Colors

XYZ(30.9458, 21.2394, 6.7898)

Have a look what the booklet for
XYZ(30.9458, 21.2394, 6.7898)
contains.

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Color

**XYZ(31.0501, 21.3402,
6.7575)**

Conversions

Conversions Part 1

Format	Color
Hex	D25A3C
RGB	210, 90, 60
RGB Percent	82%, 35%, 24%
CMY	0.1765, 0.6470, 0.7647
CMYK	0.00, 0.57, 0.71, 0.18
HSL	12°, 62%, 53%
HSV	12°, 71%, 82%
XYZ	31.0501, 21.3402, 6.7575
YIQ	122.4600, 81.1500, 16.1100

Conversions

Conversions Part 2

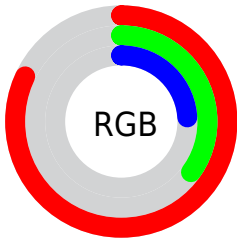
Format	Color
R_{YB}	210, 98, 60
Decimal	13785660
CIE Lab	53.32, 45.57, 40.33
CIE LCh	53, 60.853, 41.513
Yxy	21.3402, 0.5250, 0.3608
Android (android.graphics.Color)	4291975740 (0xFFD25A3C)
YUV	122.4600, -30.7928, 76.7726
Hunter-Lab	46.1955, 39.1361, 23.6638

Details

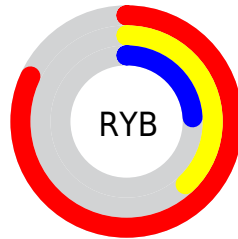
The XYZ color **31.0501, 21.3402, 6.7575** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.8161, 38.2534, 66.7845**, and the grayscale version is **18.7291, 19.7045, 21.4582**.

A 20% lighter version of the original color is **53.8228, 42.0090, 19.7398**, and **13.1046, 7.6830, 1.2077** is the 20% darker color. If you saturate the color by 10%, you get **29.3406, 18.6406, 3.9711**, and if you desaturate by 10%, it is **33.3009, 24.7707, 10.8108**.

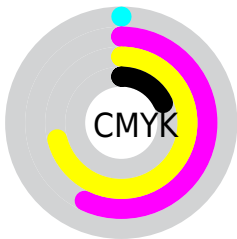
Distribution



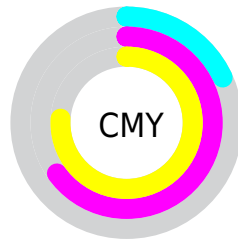
- Red (82%)
- Green (35%)
- Blue (24%)



- Red (82%)
- Yellow (38%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (71%)
- Black (18%)





- Cyan (18%)
- Magenta (65%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0501, 21.3402, 6.7575 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 31.0501, 21.3402, 6.7575 by changing the saturation by 10% instead.


 31.0501, 21.3402,
6.7575


 31.0501, 21.3402,
6.7575


298.5918,
259.0810, 175.1870


 20.7890, 13.3729,
3.2348


 60.6942, 45.6530,
19.9882

 13.0814, 7.6858,
1.2157


 80.8080, 62.7674,
30.5332

 7.5620, 3.8946,
0.0000

 104.9367, 83.6995,
44.2561

 3.8654, 1.6148,
0.0000

 133.4457,
108.8338, 61.5753

 1.6263, 0.3675,
0.0000

 166.7004,
138.5547, 82.9095

 0.4095, 0.0000,
0.0000

 205.0661,

 0.0000, 0.0000,

173.2466, 108.6771

0.0000

248.9081,
213.2939, 139.2968

■ 31.0501, 21.3402,
6.7575

■ 31.0501, 21.3402,
6.7575

■ 29.3406, 18.6406,
3.9711

■ 33.3009, 24.7707,
10.8108

■ 28.1214, 16.6134,
2.2969

■ 36.1348, 28.9775,
16.2593

■ 27.4065, 15.3581,
1.5199

■ 39.5907, 34.0062,
23.2164

■ 43.7037, 39.8980,
31.7835

■ 48.5063, 46.6912,
42.0534

■ 54.0287, 54.4218,
54.1115

■ 60.2993, 63.1237,
68.0378

■ 67.3449, 72.8293,
83.9071

■ 75.1912, 83.5692,
101.7903

Harmonies

Analogous

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



35.0112, 21.3402, 16.8474



31.0501, 21.3402, 6.7575



24.4720, 21.3402, 3.2131

Triad

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



31.0501, 21.3402, 6.7575



10.6540, 21.3402, 13.7010



22.8586, 21.3402, 78.2503

Complementary

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



31.0501, 21.3402, 6.7575



29.8161, 38.2534, 66.7845

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.



16.6019, 21.3402, 75.7666



31.0501, 21.3402, 6.7575



10.4020, 21.3402, 31.0641

Square

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



31.0501, 21.3402, 6.7575



13.1282, 21.3402, 5.5041



12.3467, 21.3402, 55.5911



29.6557, 21.3402, 61.2325

Rectangle

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



31.0501, 21.3402, 6.7575



19.9577, 21.3402, 2.7508



12.3467, 21.3402, 55.5911



20.6122, 21.3402, 79.8376

Sweetspot

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



31.0506, 21.3414, 6.7579



75.4198, 72.6665, 65.5873



36.4322, 20.2286, 45.1642



15.6727, 14.8912, 13.0243



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.



31.0506, 21.3414, 6.7579



44.3911, 27.0601, 4.5286



40.8489, 40.9380, 10.0240



11.9975, 12.1857, 12.3318



16.7750, 9.4829, 0.9463



0.9951, 0.6445, 0.0720

Inverse Universe

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



29.8161, 38.2534, 66.7845



42.0937, 54.2429, 102.8591



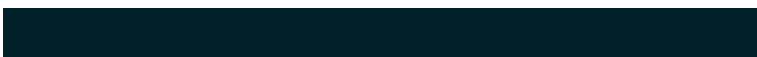
18.5479, 15.7171, 63.0284



11.9491, 12.9885, 15.1209



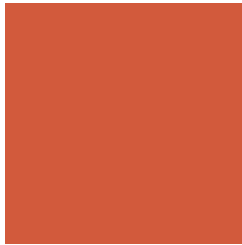
15.7086, 20.0639, 40.2373



0.9306, 1.2264, 2.2672

Previews

White Background



This preview shows how the XYZ color 31.0501, 21.3402, 6.7575 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 31.0501, 21.3402, 6.7575 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 31.0501, 21.3402, 6.7575

Background



This preview shows how black text looks on a background with the XYZ color 31.0501, 21.3402, 6.7575.



This preview shows how white text looks on a background with the XYZ color 31.0501, 21.3402,

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

31.0501, 21.3402, 6.7575

Protanopia

19.7041, 21.4817, 9.2388

Deuteranopia

21.9002, 21.5470, 6.3729



Tritanopia

32.1235, 21.2772, 12.5390

Trichromacy



Original Color

31.0501, 21.3402, 6.7575

Protanomaly

22.5778, 20.4513, 8.2264

Deuteranomaly

24.6498, 20.9024, 6.4768

Tritanomaly

31.7201, 21.2445, 10.0182

Monochromacy



Original Color

31.0501, 21.3402, 6.7575

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.1545, 18.9227, 14.3419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0501, 21.3402, 6.7575 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, 90, 60)` looks like.

```
.text, #text, p{  
    color:rgb(210, 90, 60)  
}
```

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, 90, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 90, 60) }
```

Border

The CSS property to change the border of an element to XYZ 31.0501, 21.3402, 6.7575 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, 90, 60) }
```


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

```
.border{ border-color:rgb(210, 90, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 90, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 90, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 90, 60);  
box-shadow:4px 4px 4px 4px rgb(210, 90,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0501, 21.3402, 6.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 90, 60) }
```

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

```
.background{ background-color: rgb(210, 90,  
60) }
```

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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