

Converting Colors

XYZ(31.7086, 20.5106, 6.5627)

Have a look what the booklet for
XYZ(31.7086, 20.5106, 6.5627)
contains.

XYZ(31.7086, 20.5106, 6.5627)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7086, 20.5106,
6.5627)**

Conversions

Conversions Part 1

Format	Color
Hex	D7503C
RGB	215, 80, 60
RGB Percent	84%, 31%, 24%
CMY	0.1569, 0.6862, 0.7647
CMYK	0.00, 0.63, 0.72, 0.16
HSL	8°, 66%, 54%
HSV	8°, 72%, 84%
XYZ	31.7086, 20.5106, 6.5627
YIQ	118.0850, 86.8800, 22.4000

Conversions

Conversions Part 2

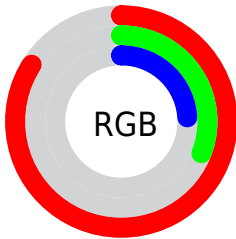
Format	Color
RYB	215, 83, 60
Decimal	14110780
CIELab	52.41, 51.91, 39.53
CIElCh	52, 65.247, 37.292
Yxy	20.5106, 0.5394, 0.3489
Android (<code>android.graphics.Color</code>)	4292300860 (<code>0xFFD7503C</code>)
YUV	118.0850, -28.6359, 84.9945
Hunter-Lab	45.2886, 45.7207, 23.1104

Details

The XYZ color **31.7086, 20.5106, 6.5627** 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 **33.6426, 44.8937, 71.1818**, and the grayscale version is **17.3152, 18.2170, 19.8383**.

A 20% lighter version of the original color is **52.6107, 39.6707, 19.0717**, and **13.4560, 7.2725, 1.1465** is the 20% darker color. If you saturate the color by 10%, you get **30.0661, 17.9580, 3.7580**, and if you desaturate by 10%, it is **33.9648, 23.9218, 10.7107**.

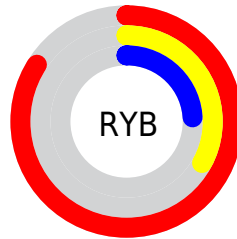
Distribution



Red (84%)

Green (31%)

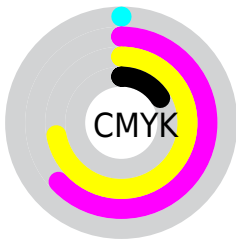
Blue (24%)



Red (84%)

Yellow (33%)

Blue (24%)

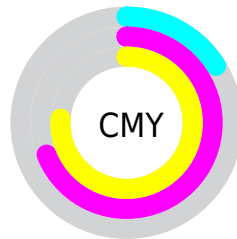


Cyan (0%)

Magenta (63%)

Yellow (72%)

Black (16%)



Cyan (16%)


Magenta (69%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7086, 20.5106, 6.5627 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 31.7086, 20.5106, 6.5627 by changing the saturation by 10% instead.


 31.7086, 20.5106,
6.5627


 31.7086, 20.5106,
6.5627


301.5586,
254.6660, 173.4696


 21.2935, 12.7667,
3.1159


 61.7223, 44.2716,
19.5856


 13.4524, 7.2681,
1.1541


 82.0515, 61.0575,
29.9987

 7.8199, 3.6303,
0.0000

 106.4162, 81.6263,
43.5711

 4.0308, 1.4690,
0.0000

 135.1817,
106.3622, 60.7212

 1.7196, 0.2668,
0.0000

 168.7133,
135.6498, 81.8675

 0.4685, 0.0000,
0.0000

 207.3765,

 0.0000, 0.0000,

169.8734, 107.4287

0.0000

251.5364,
209.4173, 137.8232

■ 31.7086, 20.5106,
6.5627

■ 31.7086, 20.5106,
6.5627

■ 30.0661, 17.9580,
3.7580

■ 33.9648, 23.9218,
10.7107

■ 28.9733, 16.1833,
2.1270


■ 36.8871, 28.2558,
16.3420


■ 28.4336, 15.2658,
1.4480


■ 40.5239, 33.5747,
23.5800

■ 44.9184, 39.9341,
32.5351

■ 50.1106, 47.3856,
43.3076

 56.1376, 55.9772,
55.9905

 63.0340, 65.7541,
70.6699

 70.8326, 76.7590,
87.4271

 79.5645, 89.0325,
106.3386

Harmonies

Analogous

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



35.3545, 20.5106, 17.9508



31.7086, 20.5106, 6.5627



24.9291, 20.5106, 2.6225

Triad

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



31.7086, 20.5106, 6.5627



9.8278, 20.5106, 10.8633



21.1839, 20.5106, 82.9558

Complementary

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



31.7086, 20.5106, 6.5627



33.6426, 44.8937, 71.1818

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.



14.9137, 20.5106, 76.9363



31.7086, 20.5106, 6.5627



9.2697, 20.5106, 27.3750

Square

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



31.7086, 20.5106, 6.5627



12.6582, 20.5106, 3.9201



10.9055, 20.5106, 53.1547



28.4336, 20.5106, 66.6967

Rectangle

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



31.7086, 20.5106, 6.5627



20.1124, 20.5106, 2.0005



10.9055, 20.5106, 53.1547



18.8898, 20.5106, 83.5772

Sweetspot

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



31.7091, 20.5118, 6.5630



73.6426, 69.5896, 63.5227



39.7085, 21.7062, 54.8699



15.2900, 14.2185, 12.6108



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.



31.7091, 20.5118, 6.5630



43.2276, 24.7927, 3.9570



40.6585, 38.4106, 9.5462



12.5512, 12.6766, 12.9460



17.0499, 9.2169, 0.8804



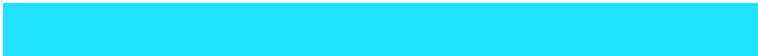
1.0717, 0.6427, 0.0676

Inverse Universe

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



33.6426, 44.8937, 71.1818



45.9774, 62.1365, 104.1780



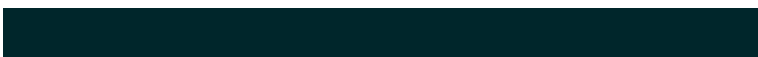
20.7758, 19.1601, 66.8929



12.6491, 13.8216, 15.9387



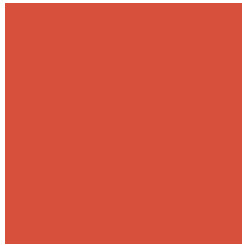
18.0517, 24.3652, 42.2047



1.1278, 1.5476, 2.5586

Previews

White Background



This preview shows how the XYZ color 31.7086, 20.5106, 6.5627 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 31.7086, 20.5106, 6.5627 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 31.7086, 20.5106, 6.5627

Background



This preview shows how black text looks on a background with the XYZ color 31.7086, 20.5106, 6.5627.



This preview shows how white text looks on a background with the XYZ color 31.7086, 20.5106,

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

31.7086, 20.5106, 6.5627

Protanopia

19.0474, 20.7481, 9.6575

Deuteranopia

20.9270, 20.5095, 6.1046



Tritanopia

32.4958, 20.5159, 10.2299

Trichromacy



Original Color

31.7086, 20.5106, 6.5627

Protanomaly

22.0912, 19.3788, 8.3705

Deuteranomaly

23.8726, 19.7261, 6.1637

Tritanomaly

32.2793, 20.5421, 8.7423

Monochromacy



Original Color

31.7086, 20.5106, 6.5627

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.2449, 17.5360, 13.6270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7086, 20.5106, 6.5627 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(215, 80, 60)` looks like.

```
.text, #text, p{  
    color:rgb(215, 80, 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(215, 80, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 80, 60) }
```

Border

The CSS property to change the border of an element to XYZ 31.7086, 20.5106, 6.5627 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(215, 80, 60) }
```


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

```
.border{ border-color:rgb(215, 80, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 80, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 80, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 80, 60);  
box-shadow:4px 4px 4px 4px rgb(215, 80,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7086, 20.5106, 6.5627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 80, 60) }
```

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

```
.background{ background-color: rgb(215, 80,  
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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