

Converting Colors

XYZ(31.2211, 21.2787, 13.5280)

Have a look what the booklet for
XYZ(31.2211, 21.2787, 13.5280)
contains.

| | |
|--|----|
| XYZ(31.2211, 21.2787, 13.5280) | 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(31.2211, 21.2787,
13.5280)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CE5A60 |
| RGB | 206, 90, 96 |
| RGB Percent | 81%, 35%, 38% |
| CMY | 0.1922, 0.6470, 0.6235 |
| CMYK | 0.00, 0.56, 0.53, 0.19 |
| HSL | 357°, 54%, 58% |
| HSV | 357°, 56%, 81% |
| XYZ | 31.2211, 21.2787, 13.5280 |
| YIQ | 125.3680, 67.2100, 26.4580 |

Conversions

Conversions Part 2

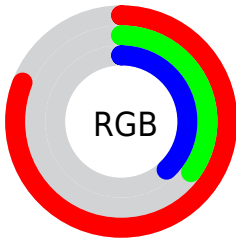
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 206, 90, 96 |
| Decimal | 13523552 |
| CIE _{Lab} | 53.25, 46.49, 19.60 |
| CIE _{LCh} | 53, 50.450, 22.867 |
| Yxy | 21.2787, 0.4728, 0.3223 |
| Android (android.graphics.Color) | 4291713632 (0xFFCE5A60) |
| YUV | 125.3680, -14.4784, 70.7143 |
| Hunter-Lab | 46.1288, 40.0876, 14.9025 |

Details

The XYZ color **31.2211, 21.2787, 13.5280** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted rose. A complement of this color would be **36.7144, 50.4869, 62.4572**, and the grayscale version is **19.6493, 20.6726, 22.5125**.

A 20% lighter version of the original color is **56.4016, 43.2818, 32.5757**, and **13.2392, 7.6951, 3.8051** is the 20% darker color. If you saturate the color by 10%, you get **28.9275, 17.9566, 8.8639**, and if you desaturate by 10%, it is **34.2206, 25.6553, 19.5303**.

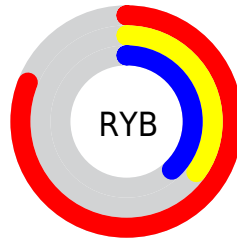
Distribution



Red (81%)

Green (35%)

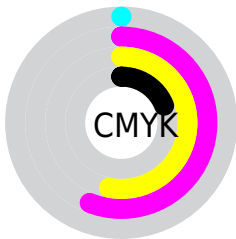
Blue (38%)



Red (81%)

Yellow (35%)

Blue (38%)

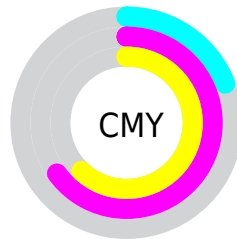


Cyan (0%)

Magenta (56%)

Yellow (53%)

Black (19%)



Cyan (19%)


Magenta (65%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2211, 21.2787, 13.5280 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 31.2211, 21.2787, 13.5280 by changing the saturation by 10% instead.


 31.2211, 21.2787,
13.5280


 31.2211, 21.2787,
13.5280


299.3644,
258.7559, 225.5998


 20.9199, 13.3279,
7.6581


 60.9615, 45.5509,
32.9541

 13.1776, 7.6547,
3.7924


 81.1314, 62.6411,
47.3475

 7.6288, 3.8748,
1.5121


 105.3216, 83.5465,
65.4191

 3.9082, 1.6038,
0.2269

 133.8974,
108.6515, 87.5875

 1.6503, 0.3601,
0.0000

167.2243,
138.3406, 114.2712

 0.4249, 0.0000,
0.0000

205.6675,

 0.0000, 0.0000,

172.9981, 145.8888

0.0000

249.5924,
213.0084, 182.8588

■ 31.2211, 21.2787,
13.5280

■ 31.2211, 21.2787,
13.5280

■ 28.9275, 17.9566,
8.8639

■ 34.2206, 25.6553,
19.5303

■ 27.2805, 15.5970,
5.4344

■ 37.9759, 31.1614,
26.9614

■ 26.2138, 14.0982,
3.1225

■ 42.5339, 37.8690,
35.9054

■ 25.6441, 13.3301,
1.7876

■ 47.9375, 45.8436,
46.4396

■ 25.5119, 13.1451,
1.4986

■ 54.2265, 55.1454,
58.6358

■ 61.4381, 65.8312,
72.5618

■ 69.6075, 77.9542,
88.2812

■ 78.7678, 91.5650,
105.8547

■ 79.2635, 91.8618,
108.1612

Harmonies

Analogous

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



32.2016, 21.2787, 27.0105



31.2211, 21.2787, 13.5280



27.0681, 21.2787, 6.7569

Triad

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



31.2211, 21.2787, 13.5280



13.1016, 21.2787, 9.5777



18.9779, 21.2787, 66.2341

Complementary

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



31.2211, 21.2787, 13.5280



36.7144, 50.4869, 62.4572

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.



14.6445, 21.2787, 55.3542



31.2211, 21.2787, 13.5280



11.6607, 21.2787, 19.7100

Square

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



31.2211, 21.2787, 13.5280



16.4960, 21.2787, 5.2766



12.1712, 21.2787, 36.5572



24.4769, 21.2787, 62.1309

Rectangle

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



31.2211, 21.2787, 13.5280



23.3986, 21.2787, 4.9107



12.1712, 21.2787, 36.5572



17.3518, 21.2787, 64.0904

Sweetspot

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



31.2216, 21.2798, 13.5284



76.8196, 73.0216, 73.5904



38.1564, 23.8118, 60.9774



16.0426, 15.0389, 14.9730



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.



31.2216, 21.2798, 13.5284



46.0966, 27.9822, 12.7698



36.7169, 32.6954, 14.0501



11.2354, 11.2229, 11.7744



15.7204, 8.0988, 0.9806



0.8194, 0.4212, 0.0949

Inverse Universe

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



31.2216, 21.2798, 13.5284



46.0966, 27.9822, 12.7698



27.2019, 30.3187, 62.8107



11.2354, 11.2229, 11.7744



15.7204, 8.0988, 0.9806



0.8194, 0.4212, 0.0949

Previews

White Background



This preview shows how the XYZ color 31.2211, 21.2787, 13.5280 looks on a white background.

Color Contrast Check

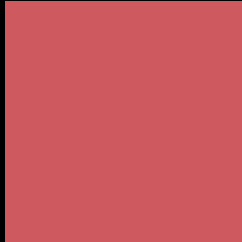
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2211, 21.2787, 13.5280 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 31.2211, 21.2787, 13.5280

Background



This preview shows how black text looks on a background with the XYZ color 31.2211, 21.2787, 13.5280.



This preview shows how white text looks on a background with the XYZ color 31.2211, 21.2787,

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

31.2211, 21.2787, 13.5280

Protanopia

20.2995, 21.3802, 18.9765

Deuteranopia

21.7968, 21.3498, 12.8696



Tritanopia

31.2211, 21.2787, 13.5280

Trichromacy



Original Color

31.2211, 21.2787, 13.5280

Protanomaly

23.1684, 20.5697, 16.6592

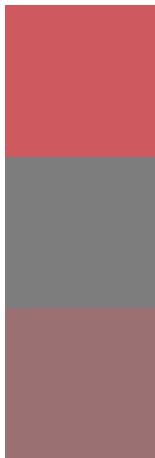
Deuteranomaly

24.5650, 20.7128, 13.0592

Tritanomaly

31.2211, 21.2787, 13.5280

Monochromacy



Original Color

31.2211, 21.2787, 13.5280

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.1579, 19.6733, 18.5491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2211, 21.2787, 13.5280 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(206, 90, 96)` looks like.

```
.text, #text, p{  
    color:rgb(206, 90, 96)  
}
```

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(206, 90, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 90, 96) }
```

Border

The CSS property to change the border of an element to XYZ 31.2211, 21.2787, 13.5280 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(206, 90, 96) }
```


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

```
.border{ border-color:rgb(206, 90, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 90, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 90, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 90, 96);  
box-shadow:4px 4px 4px 4px rgb(206, 90,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2211, 21.2787, 13.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 90, 96) }
```

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

```
.background{ background-color: rgb(206, 90,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor