

Converting Colors

XYZ(31.4715, 22.7616, 12.3706)

Have a look what the booklet for
XYZ(31.4715, 22.7616, 12.3706)
contains.

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Color

**XYZ(31.5795, 22.8317,
12.4154)**

Conversions

Conversions Part 1

Format	Color
Hex	CD645A
RGB	205, 100, 90
RGB Percent	80%, 39%, 35%
CMY	0.1961, 0.6078, 0.6471
CMYK	0.00, 0.51, 0.56, 0.20
HSL	5°, 53%, 58%
HSV	5°, 56%, 80%
XYZ	31.5795, 22.8317, 12.4154
YIQ	130.2550, 65.7900, 19.1500

Conversions

Conversions Part 2

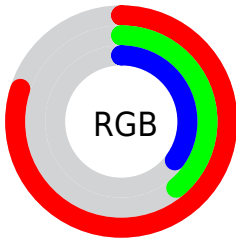
Format	Color
R _Y B	205, 101, 90
Decimal	13460570
CIE Lab	54.90, 40.71, 25.26
CIE LCh	55, 47.906, 31.816
Yxy	22.8317, 0.4726, 0.3417
Android (android.graphics.Color)	4291650650 (0xFFCD645A)
YUV	130.2550, -19.8457, 65.5514
Hunter-Lab	47.7825, 34.3513, 18.0424

Details

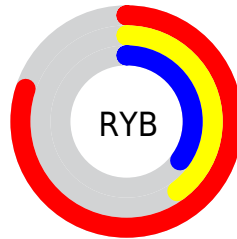
The XYZ color **31.5795, 22.8317, 12.4154** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **34.7497, 45.6089, 64.7293**, and the grayscale version is **21.3609, 22.4734, 24.4735**.

A 20% lighter version of the original color is **57.3649, 45.9359, 30.6540**, and **13.4070, 8.4895, 3.3149** is the 20% darker color. If you saturate the color by 10%, you get **29.2306, 19.3431, 7.9051**, and if you desaturate by 10%, it is **34.5825, 27.2436, 18.3311**.

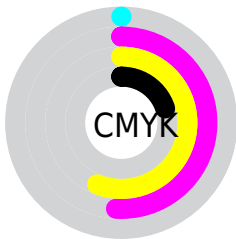
Distribution



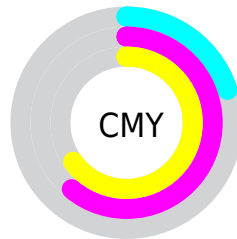
- Red (80%)
- Green (39%)
- Blue (35%)



- Red (80%)
- Yellow (40%)
- Blue (35%)



- Cyan (0%)
- Magenta (51%)
- Yellow (56%)
- Black (20%)





- Cyan (20%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5795, 22.8317, 12.4154 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 31.5795, 22.8317, 12.4154 by changing the saturation by 10% instead.


 31.5795, 22.8317,
12.4154


 31.5795, 22.8317,
12.4154


300.9787,
266.8594, 218.2109


 21.1945, 14.4693,
6.9013


 61.5209, 48.1168,
30.9251

 13.3795, 8.4478,
3.3229


 81.8081, 65.8083,
44.7577


 7.7692, 4.3828,
1.2618


 106.1267, 87.3783,
62.2003

 3.9982, 1.8899,
0.0302

 134.8421,
113.2112, 83.6713

 1.7011, 0.5423,
0.0000

 168.3196,
143.6913, 109.5894

 0.4570, 0.0000,
0.0000

206.9247,

 0.0000, 0.0000,

179.2032, 140.3729

0.0000

251.0226,
220.1311, 176.4406

■ 31.5795, 22.8317,
12.4154

■ 31.5795, 22.8317,
12.4154

■ 29.2306, 19.3431,
7.9051

■ 34.5825, 27.2436,
18.3311

■ 27.4851, 16.7089,
4.6823

■ 38.2818, 32.6343,
25.7544

■ 26.2878, 14.8561,
2.6123

■ 42.7180, 39.0590,
34.7795

■ 25.5712, 13.6979,
1.5260

■ 47.9283, 46.5678,
45.4925

■ 25.3904, 13.4064,
1.2495

■ 53.9470, 55.2076,
57.9734

■ 60.8068, 65.0226,
72.2970

■ 68.5381, 76.0544,
88.5339

■ 77.1702, 88.3429,
106.7510

■ 78.9867, 91.7191,
108.1483

Harmonies

Analogous

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



33.5830, 22.8317, 23.9451



31.5795, 22.8317, 12.4154



26.8867, 22.8317, 6.9719

Triad

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



31.5795, 22.8317, 12.4154



13.8910, 22.8317, 13.4528



22.0258, 22.8317, 67.0104

Complementary

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



31.5795, 22.8317, 12.4154



34.7497, 45.6089, 64.7293

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.



17.2288, 22.8317, 60.5465



31.5795, 22.8317, 12.4154



13.0152, 22.8317, 25.7976

Square

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



31.5795, 22.8317, 12.4154



16.7529, 22.8317, 7.3763



14.1326, 22.8317, 43.6715



27.5380, 22.8317, 58.8854

Rectangle

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



31.5795, 22.8317, 12.4154



23.1863, 22.8317, 5.7008



14.1326, 22.8317, 43.6715



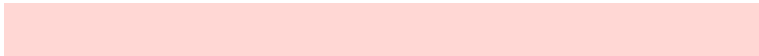
20.2802, 22.8317, 66.4638

Sweetspot

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



31.5801, 22.8329, 12.4158



77.4875, 74.8118, 72.4122



38.7305, 24.2506, 54.5165



16.1977, 15.4545, 14.6997



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.



31.5801, 22.8329, 12.4158



47.3094, 30.8290, 11.8755



39.0933, 37.8595, 14.9202



11.2895, 11.3679, 11.6786



15.8363, 8.4055, 0.7878



0.8447, 0.4891, 0.0499

Inverse Universe

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



34.7497, 45.6089, 64.7293



52.9194, 71.5113, 105.6217



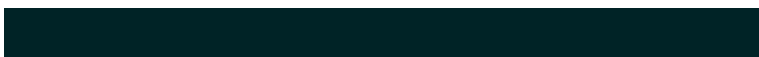
24.3125, 24.7346, 61.2502



11.4566, 12.5536, 14.3896



17.9796, 24.9831, 39.8309



0.9526, 1.3390, 2.0632

Previews

White Background



This preview shows how the XYZ color 31.5795, 22.8317, 12.4154 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 31.5795, 22.8317, 12.4154 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 31.5795, 22.8317, 12.4154

Background



This preview shows how black text looks on a background with the XYZ color 31.5795, 22.8317, 12.4154.



This preview shows how white text looks on a background with the XYZ color 31.5795, 22.8317,

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

31.5795, 22.8317, 12.4154

Protanopia

21.5652, 23.0775, 16.4145

Deuteranopia

23.3986, 22.9485, 11.7906



Tritanopia

32.3711, 22.8771, 16.0742

Trichromacy



Original Color

31.5795, 22.8317, 12.4154

Protanomaly

24.2784, 22.2263, 14.8149

Deuteranomaly

25.9861, 22.6408, 12.0173

Tritanomaly

32.2157, 22.9656, 14.7914

Monochromacy



Original Color

31.5795, 22.8317, 12.4154

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.5960, 21.5996, 19.1451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5795, 22.8317, 12.4154 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(205, 100, 90)` looks like.

```
.text, #text, p{  
    color:rgb(205, 100, 90)  
}
```

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(205, 100, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 100, 90) }
```

Border

The CSS property to change the border of an element to XYZ 31.5795, 22.8317, 12.4154 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(205, 100, 90) }
```


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

```
.border{ border-color:rgb(205, 100, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 100, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 100, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 100, 90);  
box-shadow:4px 4px 4px 4px rgb(205, 100,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5795, 22.8317, 12.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 100, 90) }
```

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

```
.background{ background-color: rgb(205,  
100, 90) }
```

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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