Converting Colors

XYZ(28.0048, 18.7096, 10.0674)

Have a look what the booklet for XYZ(28.0048, 18.7096, 10.0674) contains.

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Color

XYZ(28.0935, 18.7859, 10.1280)

Conversions

Conversions Part 1

Format	Color
Hex	C75252
RGB	199, 82, 82
RGB Percent	78%, 32%, 32%
CMY	0.2196, 0.6784, 0.6784
CMYK	0.00, 0.59, 0.59, 0.22
HSL	0°, 51%, 55%
HSV	0°, 59%, 78%
XYZ	28.0935, 18.7859, 10.1280
YIQ	116.9830, 69.7320, 24.8040

Conversions

Conversions Part 2

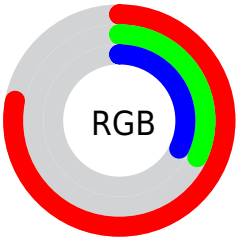
Format	Color
RYB	199, 82, 82
Decimal	13062738
CIELab	50.44, 46.70, 23.93
CIELCh	50, 52.473, 27.127
Yxy	18.7859, 0.4928, 0.3295
Android (android.graphics.Color)	4291252818 (0xFFC75252)
YUV	116.9830, -17.2466, 71.9289
Hunter-Lab	43.3427, 39.8489, 16.4854

Details

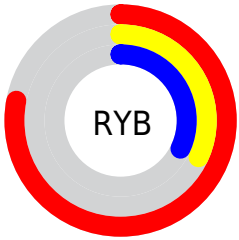
The XYZ color 28.0935, 18.7859, 10.1280 is a dark color, and the websafe version is hex CC6666. The color can be described as dark muted red. A complement of this color would be 34.2104, 46.7612, 61.2554, and the grayscale version is 16.9406, 17.8228, 19.4090.

A 20% lighter version of the original color is 54.0007, 40.2266, 26.3911, and 11.3508, 6.3613, 2.3799 is the 20% darker color. If you saturate the color by 10%, you get 26.1539, 15.9480, 6.2718, and if you desaturate by 10%, it is 30.6886, 22.5837, 15.2862.

Distribution

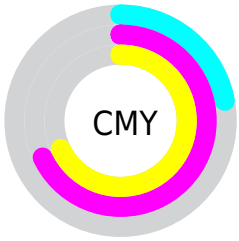


- Red (78%)
- Green (32%)
- Blue (32%)



- Red (78%)
- Yellow (32%)
- Blue (32%)

- Cyan (0%)
- Magenta (59%)
- Yellow (59%)
- Black (22%)



- Cyan (22%)
- Magenta (68%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0935, 18.7859, 10.1280 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 28.0935, 18.7859, 10.1280 by changing the saturation by 10% instead.

28.0935, 18.7859, 10.1280

284.9854, 245.2642, 202.1011

56.0413, 41.3720, 26.6476

75.1632, 57.4567, 39.2534

98.2044, 77.2483, 55.3146

125.5301, 101.1312, 75.2498

157.5057, 129.4899, 99.4775

194.4965,

28.0935, 18.7859, 10.1280

18.5370, 11.5157, 5.3772

11.4382, 6.4148, 2.4076

6.4318, 3.0989, 0.7906

3.1525, 1.1836, 0.0000

1.2349, 0.0482, 0.0000

0.1337, 0.0000, 0.0000

0.0000, 0.0000,

162.7087, 128.4163

0.0000

236.8680, 201.1720, 162.4846

28.0935, 18.7859, 10.1280

28.0935, 18.7859, 10.1280

26.1539, 15.9480, 6.2718

30.6886, 22.5837, 15.2862

24.8100, 13.9815, 3.6004

33.9892, 27.4135, 21.8476

23.9937, 12.7869, 1.9779

38.0421, 33.3440, 29.9045

23.5924, 12.1997, 1.1803

42.8897, 40.4374, 39.5413

23.5532, 12.1423, 1.1023

48.5711, 48.7509, 50.8358

55.1230, 58.3382, 63.8608

62.5799, 69.2497, 78.6850

70.9743, 81.5330, 95.3729

77.3631, 90.8821, 108.0723

Harmonies

Analogous

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

29.5623, 18.7859, 21.8964

28.0935, 18.7859, 10.1280

23.7307, 18.7859, 4.7637

Triad

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

28.0935, 18.7859, 10.1280

10.8152, 18.7859, 8.6759

17.3679, 18.7859, 63.3351

Complementary

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

28.0935, 18.7859, 10.1280

34.2104, 46.7612, 61.2554

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.

13.0400, 18.7859, 54.3134

28.0935, 18.7859, 10.1280

9.7368, 18.7859, 19.0776

Square

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

28.0935, 18.7859, 10.1280

13.7434, 18.7859, 4.2500

10.4668, 18.7859, 36.1359

22.7153, 18.7859, 57.0606

Rectangle

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

28.0935, 18.7859, 10.1280

20.1328, 18.7859, 3.4668

10.4668, 18.7859, 36.1359

15.7566, 18.7859, 61.9198

Sweetspot

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

28.0940, 18.7869, 10.1283

75.5866, 71.5196, 70.2074

36.8792, 22.3003, 56.3933

15.6055, 14.4695, 13.8879

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.

28.0940, 18.7869, 10.1283

44.9204, 26.6459, 9.2453

34.5275, 31.6540, 12.2728

10.6339, 10.6370, 11.0554

15.1453, 7.8079, 0.7088

0.7171, 0.3697, 0.0336

Inverse Universe

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

34.2104, 46.7612, 61.2554

56.6271, 80.1876, 107.1009

23.2399, 24.8201, 57.5985

10.9467, 12.0675, 13.6698

19.7600, 28.9139, 39.2838

0.9356, 1.3691, 1.8601

Previews

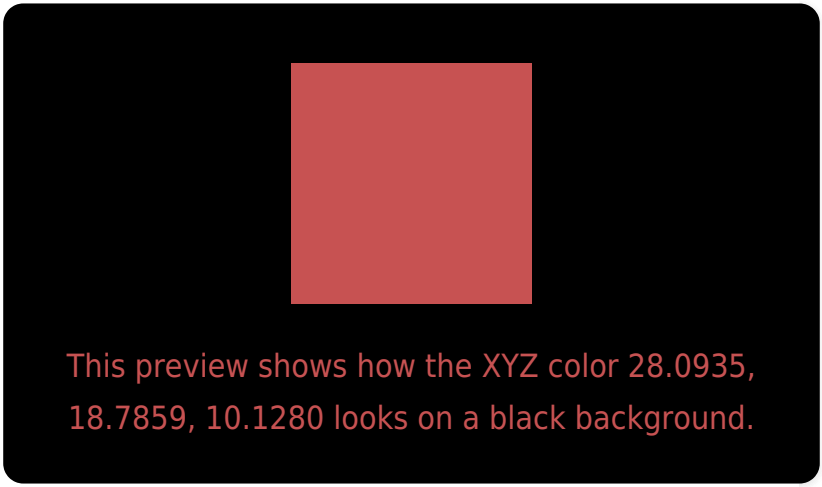
White Background

This preview shows how the XYZ color 28.0935, 18.7859, 10.1280 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 28.0935, 18.7859, 10.1280

Background

This preview shows how black text looks on a background with the XYZ color 28.0935, 18.7859, 10.1280.

This preview shows how white text looks on a background with the XYZ color 28.0935, 18.7859,

10.1280.

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
28.0935, 18.7859, 10.1280

Protanopia
17.8707, 18.9230, 14.5150

Deuteranopia
19.2893, 18.8943, 9.4678

Tritanopia
28.2159, 18.7151, 11.1421

Trichromacy

Original Color
28.0935, 18.7859, 10.1280

Protanomaly
20.4562, 17.9684, 12.7460

Deuteranomaly
21.7424, 18.2499, 9.5844

Tritanomaly
28.1353, 18.6829, 10.7176

Monochromacy

Original Color
28.0935, 18.7859, 10.1280

Achromatopsia
16.9083, 17.7888, 19.3720

Achromatomaly
19.4816, 17.1031, 15.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0935, 18.7859, 10.1280 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(199, 82, 82) looks like.

```
.text, #text, p{
    color:rgb(199, 82, 82)
}
```

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(199, 82, 82) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(199, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 82, 82) }
```

Border

The CSS property to change the border of an element to XYZ 28.0935, 18.7859, 10.1280 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(199, 82, 82) }
```

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

```
.border{ border-color:rgb(199, 82, 82) }
```

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

Here you see how a box with a 4 pixel rgb(199, 82, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 82, 82); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 82, 82); box-shadow:4px 4px 4px 4px rgb(199, 82, 82) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0935, 18.7859, 10.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(199, 82, 82) }
```

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

```
.background{ background-color:rgb(199, 82, 82) }
```

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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