

Converting Colors

XYZ(29.3566, 19.3888, 10.0882)

Have a look what the booklet for
XYZ(29.3566, 19.3888, 10.0882)
contains.

XYZ(29.4421, 19.4812, 10.1911)	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(29.4421, 19.4812,
10.1911)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5252
RGB	204, 82, 82
RGB Percent	80%, 32%, 32%
CMY	0.2000, 0.6784, 0.6784
CMYK	0.00, 0.60, 0.60, 0.20
HSL	0°, 54%, 56%
HSV	0°, 60%, 80%
XYZ	29.4421, 19.4812, 10.1911
YIQ	118.4780, 72.7120, 25.8640

Conversions

Conversions Part 2

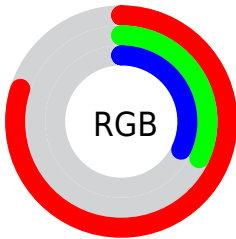
Format	Color
RYB	204, 82, 82
Decimal	13390418
CIELab	51.25, 48.46, 25.13
CIElCh	51, 54.588, 27.415
Yxy	19.4812, 0.4981, 0.3296
Android (android.graphics.Color)	4291580498 (0xFFCC5252)
YUV	118.4780, -17.9837, 75.0028
Hunter-Lab	44.1375, 41.8285, 17.2065

Details

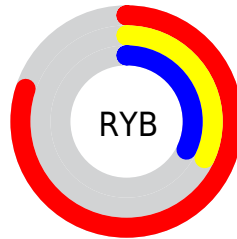
The XYZ color **29.4421, 19.4812, 10.1911** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **35.9697, 49.3354, 64.7532**, and the grayscale version is **17.4095, 18.3162, 19.9463**.

A 20% lighter version of the original color is **54.1409, 40.5070, 26.4378**, and **12.1832, 6.7581, 2.4126** is the 20% darker color. If you saturate the color by 10%, you get **27.4617, 16.5836, 6.2538**, and if you desaturate by 10%, it is **32.1113, 23.3874, 15.4966**.

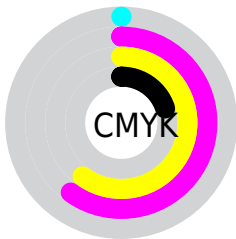
Distribution



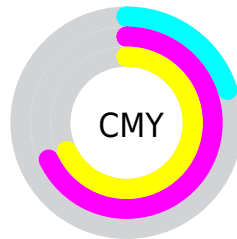
- Red (80%)
- Green (32%)
- Blue (32%)



- Red (80%)
- Yellow (32%)
- Blue (32%)



- Cyan (0%)
- Magenta (60%)
- Yellow (60%)
- Black (20%)





- Cyan (20%)
- Magenta (68%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4421, 19.4812, 10.1911 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 29.4421, 19.4812, 10.1911 by changing the saturation by 10% instead.


 29.4421, 19.4812,
10.1911


 29.4421, 19.4812,
10.1911


291.2519,
249.0925, 202.5647


 19.5615, 12.0185,
5.4186


 58.1715, 42.5456,
26.7677

 12.1831, 6.7563,
2.4319


 77.7509, 58.9162,
39.4090


 6.9416, 3.3101,
0.8037


 101.2941, 79.0248,
55.5101

 3.4716, 1.2957,
0.0000

 129.1662,
103.2558, 75.4899

 1.4078, 0.1379,
0.0000

 161.7327,
131.9937, 99.7666

 0.2618, 0.0000,
0.0000

199.3589,

 0.0000, 0.0000,

165.6229, 128.7590

0.0000

242.4102,
204.5277, 162.8855

■ 29.4421, 19.4812,
10.1911

■ 29.4421, 19.4812,
10.1911

■ 27.4617, 16.5836,
6.2538

■ 32.1113, 23.3874,
15.4966

■ 26.1056, 14.5993,
3.5583

■ 35.5232, 28.3800,
22.2791

■ 25.2999, 13.4201,
1.9567

■ 39.7279, 34.5328,
30.6379

■ 24.9083, 12.8471,
1.1784

■ 44.7709, 41.9122,
40.6632

■ 24.9018, 12.8375,
1.1654

■ 50.6942, 50.5796,
52.4385

■ 57.5369, 60.5924,
66.0417

■ 65.3359, 72.0044,
81.5460

■ 74.1259, 84.8665,
99.0205

■ 78.7117, 91.5773,
108.1354

Harmonies

Analogous

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



31.0568, 19.4812, 22.5920



29.4421, 19.4812, 10.1911



24.7412, 19.4812, 4.6574

Triad

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



29.4421, 19.4812, 10.1911



11.0262, 19.4812, 8.8217



18.0484, 19.4812, 67.4276

Complementary

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



29.4421, 19.4812, 10.1911



35.9697, 49.3354, 64.7532

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.



13.4343, 19.4812, 57.7964



29.4421, 19.4812, 10.1911



9.9083, 19.4812, 19.8888

Square

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



29.4421, 19.4812, 10.1911



14.1051, 19.4812, 4.1826



10.6956, 19.4812, 38.2134



23.7629, 19.4812, 60.4729

Rectangle

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



29.4421, 19.4812, 10.1911



20.8906, 19.4812, 3.3491



10.6956, 19.4812, 38.2134



16.3291, 19.4812, 65.9481

Sweetspot

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



29.4426, 19.4823, 10.1914



75.5867, 71.5198, 70.2074



38.8180, 23.2316, 59.5645



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.



29.4426, 19.4823, 10.1914



44.6697, 26.2790, 8.7468



36.2471, 33.0914, 12.4596



11.2124, 11.2138, 11.6530



15.6736, 8.0802, 0.7335



0.8086, 0.4169, 0.0378

Inverse Universe

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



35.9697, 49.3354, 64.7532



56.4344, 80.0877, 107.0918



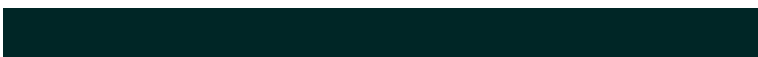
24.2012, 25.7984, 60.8304



11.5433, 12.7270, 14.4185



20.4490, 29.9220, 40.6540



1.0550, 1.5437, 2.0973

Previews

White Background



This preview shows how the XYZ color 29.4421, 19.4812, 10.1911 looks on a white background.

Color Contrast Check

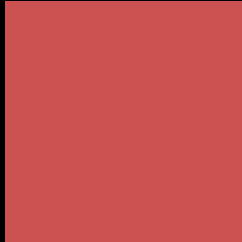
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4421, 19.4812, 10.1911 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 29.4421, 19.4812, 10.1911

Background



This preview shows how black text looks on a background with the XYZ color 29.4421, 19.4812, 10.1911.



This preview shows how white text looks on a background with the XYZ color 29.4421, 19.4812,

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

29.4421, 19.4812, 10.1911

Protanopia

18.4176, 19.5657, 14.6102

Deuteranopia

19.8785, 19.5403, 9.5614



Tritanopia

29.5240, 19.3941, 10.9915

Trichromacy



Original Color

29.4421, 19.4812, 10.1911

Protanomaly

21.1381, 18.4738, 12.8076

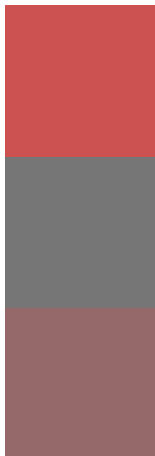
Deuteranomaly

22.4739, 18.7755, 9.6473

Tritanomaly

29.4840, 19.3781, 10.7807

Monochromacy



Original Color

29.4421, 19.4812, 10.1911

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.9958, 17.5126, 15.6910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4421, 19.4812, 10.1911 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(204, 82, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 82, 82) }
```

Border

The CSS property to change the border of an element to XYZ 29.4421, 19.4812, 10.1911 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(204, 82, 82) }
```


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

```
.border{ border-color:rgb(204, 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(204, 82, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 82, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 82, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 82,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4421, 19.4812, 10.1911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 82, 82) }
```

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

```
.background{ background-color: rgb(204, 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](#).

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