

Converting Colors

XYZ(31.1094, 19.3910, 10.9755)

Have a look what the booklet for
XYZ(31.1094, 19.3910, 10.9755)
contains.

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Color

**XYZ(31.2136, 19.4340,
10.9101)**

Conversions

Conversions Part 1

Format	Color
Hex	D44956
RGB	212, 73, 86
RGB Percent	83%, 29%, 34%
CMY	0.1686, 0.7137, 0.6627
CMYK	0.00, 0.66, 0.59, 0.17
HSL	354°, 62%, 56%
HSV	354°, 66%, 83%
XYZ	31.2136, 19.4340, 10.9101
YIQ	116.0430, 78.6710, 33.5110

Conversions

Conversions Part 2

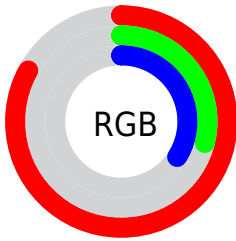
Format	Color
R_{YB}	212, 73, 86
Decimal	13912406
CIE Lab	51.19, 55.35, 22.95
CIE LCh	51, 59.916, 22.525
Yxy	19.4340, 0.5071, 0.3157
Android (android.graphics.Color)	4292102486 (0xFFD44956)
YUV	116.0430, -14.8112, 84.1543
Hunter-Lab	44.0840, 49.2396, 16.1855

Details

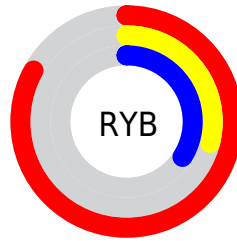
The XYZ color **31.2136, 19.4340, 10.9101** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **36.6013, 52.6274, 62.2664**, and the grayscale version is **16.6417, 17.5083, 19.0666**.

A 20% lighter version of the original color is **53.5342, 38.7381, 27.9482**, and **13.1627, 6.7394, 2.7049** is the 20% darker color. If you saturate the color by 10%, you get **29.3773, 16.8386, 6.9778**, and if you desaturate by 10%, it is **33.7336, 23.0640, 16.0975**.

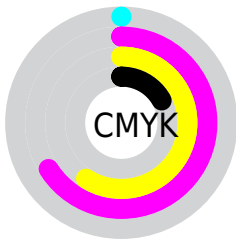
Distribution



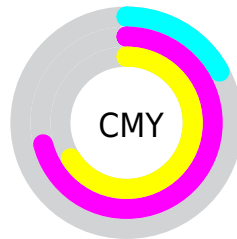
- Red (83%)
- Green (29%)
- Blue (34%)



- Red (83%)
- Yellow (29%)
- Blue (34%)



- Cyan (0%)
- Magenta (66%)
- Yellow (59%)
- Black (17%)





- Cyan (17%)
- Magenta (71%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2136, 19.4340, 10.9101 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 31.2136, 19.4340, 10.9101 by changing the saturation by 10% instead.


 31.2136, 19.4340,
10.9101


 31.2136, 19.4340,
10.9101


299.3305,
248.8343, 207.7650

 20.9142, 11.9843,
5.8930


 60.9498, 42.4662,
28.1279


 13.1734, 6.7330,
2.7124


 81.1172, 58.8174,
41.1657


 7.6259, 3.2957,
0.9497


 105.3047, 78.9047,
57.7142

 3.9063, 1.2880,
0.0000

 133.8776,
103.1123, 78.1918

 1.6492, 0.1319,
0.0000

 167.2013,
131.8247, 103.0171

 0.4242, 0.0000,
0.0000

205.6411,

 0.0000, 0.0000,

165.4262, 132.6088

0.0000

249.5624,
204.3013, 167.3852

■ 31.2136, 19.4340,
10.9101

■ 31.2136, 19.4340,
10.9101

■ 29.3773, 16.8386,
6.9778

■ 33.7336, 23.0640,
16.0975

■ 28.1556, 15.1664,
4.1928

■ 36.9945, 27.8182,
22.6337

■ 27.4671, 14.2867,
2.4304

■ 41.0491, 33.7803,
30.6045

■ 27.2758, 14.0468,
1.9270

■ 45.9450, 41.0252,
40.0882

■ 51.7260, 49.6218,
51.1577

■ 58.4330, 59.6338,
63.8808

■ 66.1041, 71.1212,
78.3217

■ 74.7753, 84.1402,
94.5409

■ 80.9612, 92.7370,
108.2407

Harmonies

Analogous

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



32.3292, 19.4340, 25.7255



31.2136, 19.4340, 10.9101



26.3612, 19.4340, 4.3357

Triad

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



31.2136, 19.4340, 10.9101



10.7853, 19.4340, 6.8110



17.0198, 19.4340, 73.2611

Complementary

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



31.2136, 19.4340, 10.9101



36.6013, 52.6274, 62.2664

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.



12.3376, 19.4340, 59.3754



31.2136, 19.4340, 10.9101



9.2768, 19.4340, 17.1700

Square

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



31.2136, 19.4340, 10.9101



14.4185, 19.4340, 3.0142



9.7766, 19.4340, 36.3947



23.2205, 19.4340, 68.2845

Rectangle

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



31.2136, 19.4340, 10.9101



22.1323, 19.4340, 2.7523



9.7766, 19.4340, 36.3947



15.2383, 19.4340, 70.4680

Sweetspot

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



31.2141, 19.4351, 10.9104



74.3127, 69.0377, 69.5794



37.5819, 21.5391, 64.4636



15.3812, 13.9969, 13.8868



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.



31.2141, 19.4351, 10.9104



43.7205, 24.3295, 8.5878



36.1524, 30.0748, 10.2044



12.4699, 12.4395, 13.1489



16.8552, 8.6784, 1.2758



1.0332, 0.5301, 0.1642

Inverse Universe

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



31.2141, 19.4351, 10.9104



43.7205, 24.3295, 8.5878



26.5881, 30.0827, 66.6922



12.4699, 12.4395, 13.1489



16.8552, 8.6784, 1.2758



1.0332, 0.5301, 0.1642

Previews

White Background



This preview shows how the XYZ color 31.2136, 19.4340, 10.9101 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 31.2136, 19.4340, 10.9101 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 31.2136, 19.4340, 10.9101

Background



This preview shows how black text looks on a background with the XYZ color 31.2136, 19.4340, 10.9101.

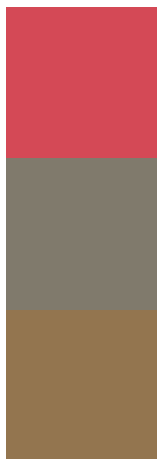


This preview shows how white text looks on a background with the XYZ color 31.2136, 19.4340,

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

31.2136, 19.4340, 10.9101

Protanopia

18.5684, 19.5910, 16.9901

Deuteranopia

19.8052, 19.4901, 10.1153



Tritanopia

31.0114, 19.4591, 9.5186

Trichromacy



Original Color

31.2136, 19.4340, 10.9101

Protanomaly

21.5486, 18.1917, 14.4322

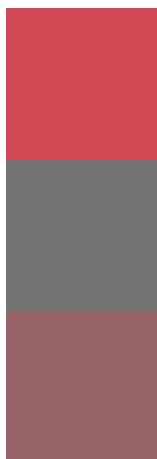
Deuteranomaly

22.9713, 18.5745, 10.3572

Tritanomaly

31.1231, 19.5038, 10.1069

Monochromacy



Original Color

31.2136, 19.4340, 10.9101

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.8695, 16.7136, 15.5434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2136, 19.4340, 10.9101 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(212, 73, 86)` looks like.

```
.text, #text, p{  
    color:rgb(212, 73, 86)  
}
```

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(212, 73, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 73, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.2136, 19.4340, 10.9101 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(212, 73, 86) }
```


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

```
.border{ border-color:rgb(212, 73, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 73, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 73, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 73, 86);  
box-shadow:4px 4px 4px 4px rgb(212, 73,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2136, 19.4340, 10.9101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 73, 86) }
```

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

```
.background{ background-color: rgb(212, 73,  
86) }
```

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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