

Converting Colors

XYZ(31.8412, 21.5570, 12.0411)

Have a look what the booklet for
XYZ(31.8412, 21.5570, 12.0411)
contains.

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Color

**XYZ(31.6700, 21.4213,
11.9167)**

Conversions

Conversions Part 1

Format	Color
Hex	D15959
RGB	209, 89, 89
RGB Percent	82%, 35%, 35%
CMY	0.1804, 0.6510, 0.6510
CMYK	0.00, 0.57, 0.57, 0.18
HSL	0°, 57%, 58%
HSV	0°, 57%, 82%
XYZ	31.6700, 21.4213, 11.9167
YIQ	124.8800, 71.5200, 25.4400

Conversions

Conversions Part 2

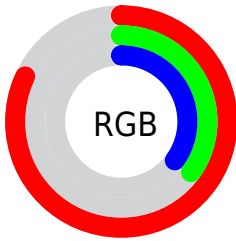
Format	Color
R _Y B	209, 89, 89
Decimal	13719897
CIE Lab	53.41, 47.47, 24.00
CIE LCh	53, 53.188, 26.824
Yxy	21.4213, 0.4872, 0.3295
Android (android.graphics.Color)	4291909977 (0xFFD15959)
YUV	124.8800, -17.6888, 73.7732
Hunter-Lab	46.2832, 41.1460, 17.1326

Details

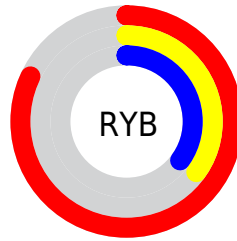
The XYZ color **31.6700, 21.4213, 11.9167** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **38.4272, 52.3247, 68.3956**, and the grayscale version is **19.4941, 20.5094, 22.3347**.

A 20% lighter version of the original color is **55.7227, 42.7690, 29.7444**, and **13.4025, 7.7080, 3.0669** is the 20% darker color. If you saturate the color by 10%, you get **29.4145, 18.1212, 7.4324**, and if you desaturate by 10%, it is **34.6692, 25.8104, 17.8781**.

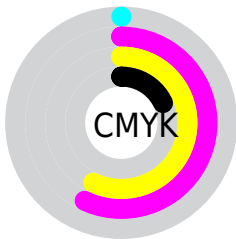
Distribution



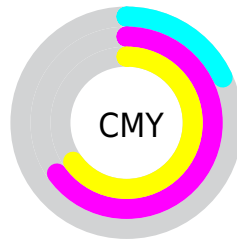
- Red (82%)
- Green (35%)
- Blue (35%)



- Red (82%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (57%)
- Yellow (57%)
- Black (18%)





- Cyan (18%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6700, 21.4213, 11.9167 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 31.6700, 21.4213, 11.9167 by changing the saturation by 10% instead.

 31.6700, 21.4213,
11.9167


 31.6700, 21.4213,
11.9167


301.3853,
259.5091, 214.8113


 21.2639, 13.4323,
6.5651


 61.6621, 45.7876,
30.0054

 13.4306, 7.7269,
3.1174


 81.9788, 62.9338,
43.5797


 7.8048, 3.9207,
1.1549


 106.3297, 83.9011,
60.7319

 4.0210, 1.6293,
0.0000

 135.0802,
109.0740, 81.8806

 1.7140, 0.3772,
0.0000

 168.5957,
138.8368, 107.4443

 0.4650, 0.0000,
0.0000

207.2414,

 0.0000, 0.0000,

173.5740, 137.8417

0.0000

251.3829,
213.6700, 173.4912

■ 31.6700, 21.4213,
11.9167

■ 31.6700, 21.4213,
11.9167

■ 29.4145, 18.1212,
7.4324

■ 34.6692, 25.8104,
17.8781

■ 27.8364, 15.8119,
4.2955

■ 38.4677, 31.3687,
25.4292

■ 26.8605, 14.3838,
2.3556

■ 43.1175, 38.1728,
34.6729

■ 26.3827, 13.6846,
1.4060

■ 48.6660, 46.2918,
45.7030

■ 26.2945, 13.5555,
1.2306

■ 55.1569, 55.7898,
58.6067

■ 62.6311, 66.7266,
73.4652

■ 71.1271, 79.1587,
90.3553

■ 80.1043, 92.2952,
108.2006

Harmonies

Analogous

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



33.2416, 21.4213, 25.0901



31.6700, 21.4213, 11.9167



26.8996, 21.4213, 5.7764

Triad

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



31.6700, 21.4213, 11.9167



12.5565, 21.4213, 10.1092



19.7645, 21.4213, 70.1959

Complementary

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



31.6700, 21.4213, 11.9167



38.4272, 52.3247, 68.3956

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.



14.9773, 21.4213, 60.2396



31.6700, 21.4213, 11.9167



11.3285, 21.4213, 21.6431

Square

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



31.6700, 21.4213, 11.9167



15.8427, 21.4213, 5.1231



12.1256, 21.4213, 40.3611



25.6642, 21.4213, 63.5419

Rectangle

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



31.6700, 21.4213, 11.9167



22.9373, 21.4213, 4.2569



12.1256, 21.4213, 40.3611



17.9839, 21.4213, 68.6010

Sweetspot

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



31.6705, 21.4225, 11.9171



76.5362, 72.9092, 72.0951



41.3753, 25.3035, 63.0246



15.9768, 15.0128, 14.6261



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.



31.6705, 21.4225, 11.9171



45.4534, 27.4258, 10.3047



38.8450, 35.7714, 14.3086



11.8088, 11.8084, 12.2689



16.2125, 8.3580, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



38.4272, 52.3247, 68.3956



57.0355, 80.3983, 107.1201



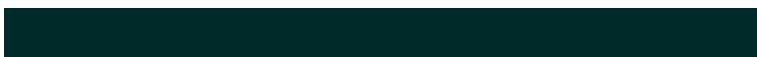
26.3759, 28.2222, 64.3785



12.1584, 13.4070, 15.1907



21.1523, 30.9511, 42.0518



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 31.6700, 21.4213, 11.9167 looks on a white background.

Color Contrast Check

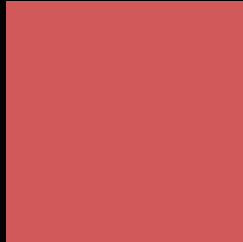
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6700, 21.4213, 11.9167 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 31.6700, 21.4213, 11.9167

Background



This preview shows how black text looks on a background with the XYZ color 31.6700, 21.4213, 11.9167.



This preview shows how white text looks on a background with the XYZ color 31.6700, 21.4213,

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

31.6700, 21.4213, 11.9167

Protanopia

20.3124, 21.6298, 16.7401

Deuteranopia

21.8473, 21.4136, 11.1654



Tritanopia

31.8046, 21.3429, 13.0330

Trichromacy



Original Color

31.6700, 21.4213, 11.9167

Protanomaly

23.2179, 20.6361, 14.8160

Deuteranomaly

24.6712, 20.8064, 11.3101

Tritanomaly

31.7160, 21.3075, 12.5663

Monochromacy



Original Color

31.6700, 21.4213, 11.9167

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.4291, 19.8261, 17.9739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6700, 21.4213, 11.9167 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(209, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(209, 89, 89)  
}
```

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(209, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 89, 89) }
```

Border

The CSS property to change the border of an element to XYZ 31.6700, 21.4213, 11.9167 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(209, 89, 89) }
```


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

```
.border{ border-color:rgb(209, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(209, 89,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6700, 21.4213, 11.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 89, 89) }
```

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

```
.background{ background-color: rgb(209, 89,  
89) }
```

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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