

Converting Colors

XYZ(33.7542, 21.0739, 9.0901)

Have a look what the booklet for
XYZ(33.7542, 21.0739, 9.0901)
contains.

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Color

**XYZ(33.7077, 21.0628,
9.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	DD4C4C
RGB	221, 76, 76
RGB Percent	87%, 30%, 30%
CMY	0.1333, 0.7019, 0.7020
CMYK	0.00, 0.66, 0.66, 0.13
HSL	0°, 68%, 58%
HSV	0°, 66%, 87%
XYZ	33.7077, 21.0628, 9.1264
YIQ	119.3550, 86.4200, 30.7400

Conversions

Conversions Part 2

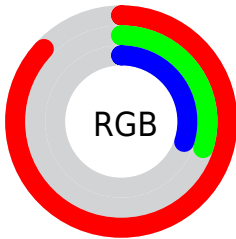
Format	Color
RYB	221, 76, 76
Decimal	14502988
CIELab	53.02, 56.42, 31.47
CIELCh	53, 64.607, 29.150
Yxy	21.0628, 0.5275, 0.3296
Android (android.graphics.Color)	4292693068 (0xFFDD4C4C)
YUV	119.3550, -21.3740, 89.1427
Hunter-Lab	45.8942, 50.7871, 20.3357

Details

The XYZ color **33.7077, 21.0628, 9.1264** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **41.8856, 58.4650, 77.4834**, and the grayscale version is **17.6946, 18.6161, 20.2730**.

A 20% lighter version of the original color is **53.1929, 39.2432, 24.1732**, and **14.5913, 7.5403, 2.0529** is the 20% darker color. If you saturate the color by 10%, you get **31.7971, 18.2675, 5.3279**, and if you desaturate by 10%, it is **36.4057, 25.0113, 14.4891**.

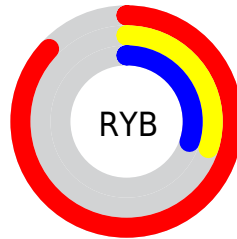
Distribution



Red (87%)

Green (30%)

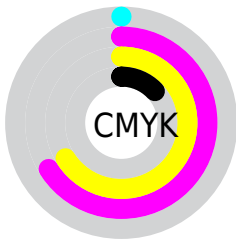
Blue (30%)



Red (87%)

Yellow (30%)

Blue (30%)

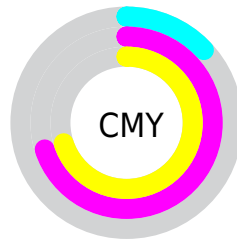


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (13%)



Cyan (13%)

Magenta (70%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7077, 21.0628, 9.1264 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 33.7077, 21.0628, 9.1264 by changing the saturation by 10% instead.

 33.7077, 21.0628,
9.1264


 33.7077, 21.0628,
9.1264


310.4356,
257.6121, 194.5707


 22.8310, 13.1699,
4.7258


 64.8262, 45.1920,
24.7204


 14.5887, 7.5457,
2.0314


 85.7986, 62.1972,
36.7509

 8.6157, 3.8056,
0.5745


 110.8670, 83.0085,
52.1618

 4.5465, 1.5654,
0.0000

 140.3967,
108.0104, 71.3716

 2.0157, 0.3341,
0.0000

 174.7531,
137.5874, 94.7988

 0.6428, 0.0000,
0.0000

214.3014,

 0.0000, 0.0000,

172.1237, 122.8621

0.0000

259.4072,
212.0038, 155.9799

■ 33.7077, 21.0628,
9.1264

■ 33.7077, 21.0628,
9.1264

■ 31.7971, 18.2675,
5.3279

■ 36.4057, 25.0113,
14.4891

■ 30.5881, 16.4982,
2.9246

■ 39.9623, 30.2156,
21.5591


■ 29.9772, 15.6042,
1.7105


■ 44.4421, 36.7710,
30.4648


■ 29.8187, 15.3723,
1.3955


■ 49.9035, 44.7625,
41.3217

■ 56.3997, 54.2684,
54.2360

 63.9805, 65.3611,
69.3063

 72.6920, 78.1085,
86.6246

 82.5780, 92.5744,
106.2780

 83.6286, 94.1120,
108.3655

Harmonies

Analogous

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



36.0980, 21.0628, 23.4925



33.7077, 21.0628, 9.1264



27.4804, 21.0628, 3.4901

Triad

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



33.7077, 21.0628, 9.1264



10.7800, 21.0628, 8.6169



19.8267, 21.0628, 84.2289

Complementary

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



33.7077, 21.0628, 9.1264



41.8856, 58.4650, 77.4834

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.



14.0484, 21.0628, 72.2728



33.7077, 21.0628, 9.1264



9.6050, 21.0628, 22.3841

Square

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



33.7077, 21.0628, 9.1264



14.3147, 21.0628, 3.3345



10.6524, 21.0628, 46.3649



27.0685, 21.0628, 73.4706

Rectangle

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



33.7077, 21.0628, 9.1264



22.5765, 21.0628, 2.3324



10.6524, 21.0628, 46.3649



17.6634, 21.0628, 82.6590

Sweetspot

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



33.7082, 21.0640, 9.1267



73.7327, 68.8068, 66.5216



45.4541, 25.7614, 70.9829



15.2457, 13.9430, 13.1726



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.



33.7082, 21.0640, 9.1267



43.1942, 24.1199, 5.8139



41.7916, 37.2309, 11.8212



13.0562, 13.0517, 13.5567



17.3223, 8.9301, 0.8107



1.1222, 0.5786, 0.0525

Inverse Universe

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



41.8856, 58.4650, 77.4834



55.3035, 79.5043, 107.0388



26.7001, 28.0940, 72.4216



13.4449, 14.8295, 16.8059



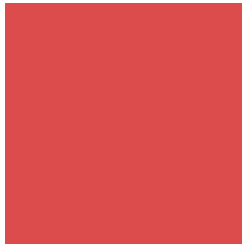
22.6000, 33.0695, 44.9303



1.4642, 2.1424, 2.9108

Previews

White Background



This preview shows how the XYZ color 33.7077, 21.0628, 9.1264 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 33.7077, 21.0628, 9.1264 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 33.7077, 21.0628, 9.1264

Background



This preview shows how black text looks on a background with the XYZ color 33.7077, 21.0628, 9.1264.



This preview shows how white text looks on a background with the XYZ color 33.7077, 21.0628,

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

33.7077, 21.0628, 9.1264

Protanopia

19.8540, 21.2575, 14.1230

Deuteranopia

21.5911, 21.1600, 8.4152



Tritanopia

33.7828, 20.9835, 9.8591

Trichromacy



Original Color

33.7077, 21.0628, 9.1264

Protanomaly

23.1021, 19.6619, 12.0287

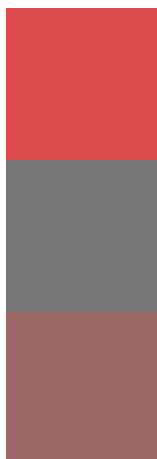
Deuteranomaly

25.0113, 20.2614, 8.5538

Tritanomaly

33.7462, 20.9688, 9.6659

Monochromacy



Original Color

33.7077, 21.0628, 9.1264

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.0087, 17.7477, 15.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7077, 21.0628, 9.1264 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(221, 76, 76)` looks like.

```
.text, #text, p{  
    color:rgb(221, 76, 76)  
}
```

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(221, 76, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 76, 76) }
```

Border

The CSS property to change the border of an element to XYZ 33.7077, 21.0628, 9.1264 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(221, 76, 76) }
```


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

```
.border{ border-color:rgb(221, 76, 76) }
```

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

Here you see how a box with a 4 pixel rgb(221, 76, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 76, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 76, 76);  
box-shadow:4px 4px 4px 4px rgb(221, 76,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7077, 21.0628, 9.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 76, 76) }
```

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

```
.background{ background-color: rgb(221, 76,  
76) }
```

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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