

Converting Colors

XYZ(31.8387, 20.9515, 10.7843)

Have a look what the booklet for
XYZ(31.8387, 20.9515, 10.7843)
contains.

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Color

**XYZ(31.9219, 20.9778,
10.7542)**

Conversions

Conversions Part 1

Format	Color
Hex	D45454
RGB	212, 84, 84
RGB Percent	83%, 33%, 33%
CMY	0.1686, 0.6706, 0.6706
CMYK	0.00, 0.60, 0.60, 0.17
HSL	0°, 60%, 58%
HSV	0°, 60%, 83%
XYZ	31.9219, 20.9778, 10.7542
YIQ	122.2720, 76.2880, 27.1360

Conversions

Conversions Part 2

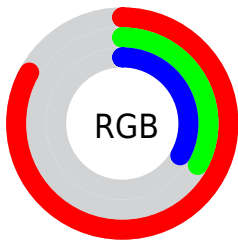
Format	Color
RYB	212, 84, 84
Decimal	13915220
CIELab	52.93, 50.46, 26.39
CIELCh	53, 56.944, 27.606
Yxy	20.9778, 0.5015, 0.3296
Android (android.graphics.Color)	4292105300 (0xFFD45454)
YUV	122.2720, -18.8681, 78.6915
Hunter-Lab	45.8015, 44.2549, 18.1398

Details

The XYZ color **31.9219, 20.9778, 10.7542** 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 **39.0813, 53.7213, 70.5963**, and the grayscale version is **18.6308, 19.6010, 21.3455**.

A 20% lighter version of the original color is **54.6316, 41.1582, 27.6192**, and **13.4981, 7.4646, 2.6488** is the 20% darker color. If you saturate the color by 10%, you get **29.8098, 17.8875, 6.5550**, and if you desaturate by 10%, it is **34.7840, 25.1664, 16.4431**.

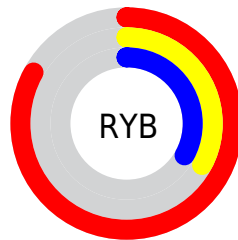
Distribution



Red (83%)

Green (33%)

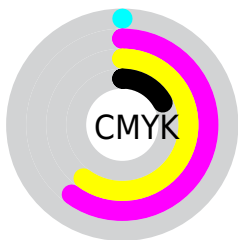
Blue (33%)



Red (83%)

Yellow (33%)

Blue (33%)

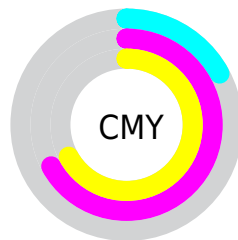


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (17%)



Cyan (17%)


Magenta (67%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9219, 20.9778, 10.7542 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 31.9219, 20.9778, 10.7542 by changing the saturation by 10% instead.


 31.9219, 20.9778,
10.7542


 31.9219, 20.9778,
10.7542


302.5149,
257.1605, 206.6499

 21.4571, 13.1078,
5.7897


 62.0547, 45.0506,
27.8344

 13.5729, 7.5028,
2.6509


 82.4533, 62.0221,
40.7872


 7.9039, 3.7785,
0.9186

 106.8940, 82.7963,
57.2399

 4.0848, 1.5504,
0.0000

 135.7420,
107.7575, 77.6109

 1.7502, 0.3238,
0.0000

 169.3628,
137.2901, 102.3189

 0.4874, 0.0000,
0.0000

208.1216,

 0.0000, 0.0000,

171.7786, 131.7824

0.0000

252.3839,
211.6072, 166.4199

■ 31.9219, 20.9778,
10.7542

■ 31.9219, 20.9778,
10.7542

■ 29.8098, 17.8875,
6.5550

■ 34.7840, 25.1664,
16.4431

■ 28.3762, 15.7897,
3.7054

■ 38.4558, 30.5393,
23.7424

■ 27.5385, 14.5639,
2.0404

■ 42.9929, 37.1783,
32.7617

■ 27.1513, 13.9972,
1.2707

■ 48.4453, 45.1568,
43.6009

■ 54.8594, 54.5424,
56.3519

■ 62.2783, 65.3984,
71.1007

■ 70.7428, 77.7842,
87.9278

■ 80.2910, 91.7559,
106.9096

■ 80.9612, 92.7369,
108.2407

Harmonies

Analogous

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



33.7275, 20.9778, 24.2402



31.9219, 20.9778, 10.7542



26.7333, 20.9778, 4.8208

Triad

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



31.9219, 20.9778, 10.7542



11.7401, 20.9778, 9.3798



19.4638, 20.9778, 73.8606

Complementary

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



31.9219, 20.9778, 10.7542



39.0813, 53.7213, 70.5963

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.



14.4057, 20.9778, 63.2978



31.9219, 20.9778, 10.7542



10.5374, 20.9778, 21.4972

Square

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



31.9219, 20.9778, 10.7542



15.0838, 20.9778, 4.3508



11.4069, 20.9778, 41.6855



25.7375, 20.9778, 66.0422

Rectangle

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



31.9219, 20.9778, 10.7542



22.5021, 20.9778, 3.4390



11.4069, 20.9778, 41.6855



17.5779, 20.9778, 72.2617

Sweetspot

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



31.9224, 20.9790, 10.7546



75.5867, 71.5197, 70.2074



42.2052, 25.0912, 64.9055



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.



31.9224, 20.9790, 10.7546



44.6696, 26.2789, 8.7468



39.3414, 35.8169, 13.2275



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473

Inverse Universe

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



39.0813, 53.7213, 70.5963



56.4347, 80.0882, 107.0919



26.1297, 27.8181, 66.2791



12.7922, 14.1078, 15.9864



21.8692, 32.0001, 43.4772



1.3191, 1.9301, 2.6223

Previews

White Background



This preview shows how the XYZ color 31.9219, 20.9778, 10.7542 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 31.9219, 20.9778, 10.7542 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 31.9219, 20.9778, 10.7542

Background



This preview shows how black text looks on a background with the XYZ color 31.9219, 20.9778, 10.7542.



This preview shows how white text looks on a background with the XYZ color 31.9219, 20.9778,

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

31.9219, 20.9778, 10.7542

Protanopia

19.9793, 21.2889, 15.6265

Deuteranopia

21.5389, 21.0948, 10.1442



Tritanopia

32.0478, 20.9048, 11.7971

Trichromacy



Original Color

31.9219, 20.9778, 10.7542

Protanomaly

22.8543, 19.9816, 13.4788

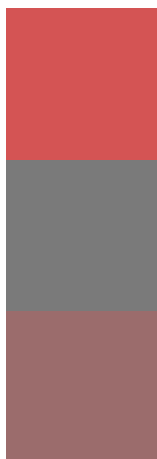
Deuteranomaly

24.4897, 20.4183, 10.2398

Tritanomaly

31.9649, 20.8717, 11.3607

Monochromacy



Original Color

31.9219, 20.9778, 10.7542

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.5869, 18.7764, 16.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9219, 20.9778, 10.7542 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, 84, 84)` looks like.

```
.text, #text, p{  
    color:rgb(212, 84, 84)  
}
```

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, 84, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 84, 84) }
```

Border

The CSS property to change the border of an element to XYZ 31.9219, 20.9778, 10.7542 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, 84, 84) }
```


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

```
.border{ border-color:rgb(212, 84, 84) }
```

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

Here you see how a box with a 4 pixel rgb(212, 84, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 84, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 84, 84);  
box-shadow:4px 4px 4px 4px rgb(212, 84,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9219, 20.9778, 10.7542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 84, 84) }
```

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

```
.background{ background-color: rgb(212, 84,  
84) }
```

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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