

Converting Colors

XYZ(31.4578, 20.3770, 9.7644)

Have a look what the booklet for
XYZ(31.4578, 20.3770, 9.7644)
contains.

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Color

**XYZ(31.5051, 20.4464,
9.6832)**

Conversions

Conversions Part 1

Format	Color
Hex	D4514F
RGB	212, 81, 79
RGB Percent	83%, 32%, 31%
CMY	0.1686, 0.6823, 0.6902
CMYK	0.00, 0.62, 0.63, 0.17
HSL	1°, 61%, 57%
HSV	1°, 63%, 83%
XYZ	31.5051, 20.4464, 9.6832
YIQ	119.9410, 78.7180, 27.1500

Conversions

Conversions Part 2

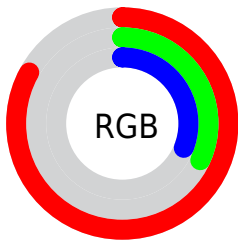
Format	Color
R_{YB}	212, 81, 79
Decimal	13914447
CIE Lab	52.34, 51.47, 28.55
CIE LCh	52, 58.861, 29.018
Yxy	20.4464, 0.5112, 0.3317
Android (android.graphics.Color)	4292104527 (0xFFD4514F)
YUV	119.9410, -20.1839, 80.7357
Hunter-Lab	45.2177, 45.2376, 18.9557

Details

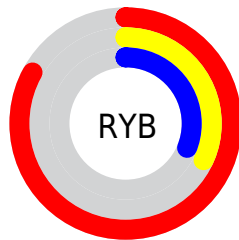
The XYZ color **31.5051, 20.4464, 9.6832** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **38.1529, 52.5052, 70.4107**, and the grayscale version is **17.8794, 18.8106, 20.4847**.

A 20% lighter version of the original color is **53.8003, 40.1465, 25.3355**, and **13.3194, 7.2311, 2.2071** is the 20% darker color. If you saturate the color by 10%, you get **29.5325, 17.5456, 5.8066**, and if you desaturate by 10%, it is **34.2016, 24.4017, 15.0150**.

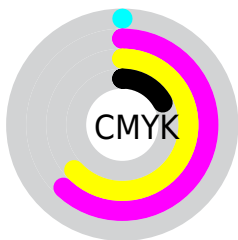
Distribution



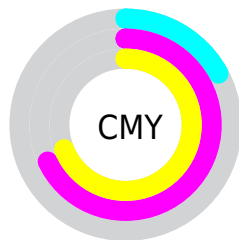
- Red (83%)
- Green (32%)
- Blue (31%)



- Red (83%)
- Yellow (32%)
- Blue (31%)



- Cyan (0%)
- Magenta (62%)
- Yellow (63%)
- Black (17%)





- Cyan (17%)
- Magenta (68%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5051, 20.4464, 9.6832 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 31.5051, 20.4464, 9.6832 by changing the saturation by 10% instead.


 31.5051, 20.4464,
9.6832


 31.5051, 20.4464,
9.6832


300.6441,
254.3216, 198.7978


 21.1375, 12.7199,
5.0866


 61.4049, 44.1643,
25.7963

 13.3376, 7.2360,
2.2385


 81.6677, 60.9246,
38.1499

 7.7400, 3.6101,
0.6965

 105.9597, 81.4650,
53.9262

 3.9794, 1.4580,
0.0000

 134.6462,
106.1698, 73.5438

 1.6905, 0.2589,
0.0000

 168.0926,
135.4235, 97.4213

 0.4503, 0.0000,
0.0000

206.6641,

 0.0000, 0.0000,

169.6104, 125.9770

0.0000

250.7261,
209.1150, 159.6297

■ 31.5051, 20.4464,
9.6832

■ 31.5051, 20.4464,
9.6832

■ 29.5325, 17.5456,
5.8066

■ 34.2016, 24.4017,
15.0150

■ 28.2126, 15.5954,
3.2408

■ 37.6813, 29.4957,
21.9255

■ 27.4627, 14.4773,
1.8140

■ 41.9990, 35.8081,
30.5264

■ 27.1860, 14.0664,
1.2822

■ 47.2043, 43.4104,
40.9188

■ 53.3427, 52.3687,
53.1960

■ 60.4569, 62.7444,
67.4448

■ 68.5868, 74.5954,
83.7467

■ 77.7701, 87.9760,
102.1783

■ 80.9613, 92.7370,
108.2407

Harmonies

Analogous

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



33.5642, 20.4464, 22.8394



31.5051, 20.4464, 9.6832



26.0688, 20.4464, 4.1601

Triad

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



31.5051, 20.4464, 9.6832



11.0592, 20.4464, 9.1257



19.2347, 20.4464, 75.0596

Complementary

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



31.5051, 20.4464, 9.6832



38.1529, 52.5052, 70.4107

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.



14.0324, 20.4464, 64.8671



31.5051, 20.4464, 9.6832



9.9577, 20.4464, 21.6957

Square

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



31.5051, 20.4464, 9.6832



14.3126, 20.4464, 3.9760



10.9226, 20.4464, 42.6861



25.6504, 20.4464, 66.0407

Rectangle

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



31.5051, 20.4464, 9.6832



21.7386, 20.4464, 2.9460



10.9226, 20.4464, 42.6861



17.2978, 20.4464, 73.7050

Sweetspot

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



31.5056, 20.4475, 9.6835



74.8285, 70.5050, 68.4084



41.8309, 24.3425, 64.7809



15.4656, 14.2870, 13.5412



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.



31.5056, 20.4475, 9.6835



44.1439, 25.5985, 7.4276



38.7646, 34.9655, 12.1032



12.4381, 12.4505, 12.9083



16.7899, 8.6971, 0.7938



1.0181, 0.5354, 0.0497

Inverse Universe

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



38.1529, 52.5052, 70.4107



54.9943, 77.9940, 106.7636



25.3101, 26.8198, 66.1298



12.7754, 14.0742, 15.9808



21.3892, 31.0402, 43.3172



1.2954, 1.8827, 2.6144

Previews

White Background



This preview shows how the XYZ color 31.5051, 20.4464, 9.6832 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 31.5051, 20.4464, 9.6832 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 31.5051, 20.4464, 9.6832

Background



This preview shows how black text looks on a background with the XYZ color 31.5051, 20.4464, 9.6832.



This preview shows how white text looks on a background with the XYZ color 31.5051, 20.4464,

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

31.5051, 20.4464, 9.6832

Protanopia

19.3228, 20.5986, 14.2668

Deuteranopia

21.0230, 20.6731, 9.0132



Tritanopia

31.6597, 20.3902, 10.8614

Trichromacy



Original Color

31.5051, 20.4464, 9.6832

Protanomaly

22.2144, 19.3568, 12.2383

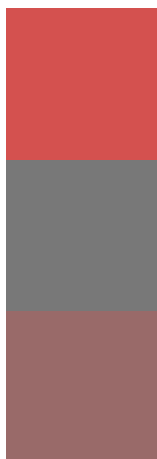
Deuteranomaly

23.8796, 19.8147, 9.2226

Tritanomaly

31.5814, 20.3589, 10.4488

Monochromacy



Original Color

31.5051, 20.4464, 9.6832

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.8407, 18.1003, 15.7599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5051, 20.4464, 9.6832 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, 81, 79)` looks like.

```
.text, #text, p{  
    color:rgb(212, 81, 79)  
}
```

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, 81, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 81, 79) }
```

Border

The CSS property to change the border of an element to XYZ 31.5051, 20.4464, 9.6832 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, 81, 79) }
```


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

```
.border{ border-color:rgb(212, 81, 79) }
```

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

Here you see how a box with a 4 pixel rgb(212, 81, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 81, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 81, 79);  
box-shadow:4px 4px 4px 4px rgb(212, 81,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5051, 20.4464, 9.6832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 81, 79) }
```

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

```
.background{ background-color: rgb(212, 81,  
79) }
```

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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