

Converting Colors

XYZ(30.1629, 20.1529, 9.4543)

Have a look what the booklet for
XYZ(30.1629, 20.1529, 9.4543)
contains.

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Color

**XYZ(29.9991, 20.0125,
9.4894)**

Conversions

Conversions Part 1

Format	Color
Hex	CE544E
RGB	206, 84, 78
RGB Percent	81%, 33%, 31%
CMY	0.1922, 0.6706, 0.6941
CMYK	0.00, 0.59, 0.62, 0.19
HSL	3°, 57%, 56%
HSV	3°, 62%, 81%
XYZ	29.9991, 20.0125, 9.4894
YIQ	119.7940, 74.6380, 23.9980

Conversions

Conversions Part 2

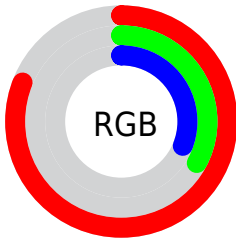
Format	Color
R_{YB}	206, 84, 78
Decimal	13521998
CIE _{Lab}	51.85, 47.97, 28.31
CIE _{LCh}	52, 55.699, 30.551
Yxy	20.0125, 0.5042, 0.3363
Android (android.graphics.Color)	4291712078 (0xFFCE544E)
YUV	119.7940, -20.6044, 75.6027
Hunter-Lab	44.7353, 41.4136, 18.7380

Details

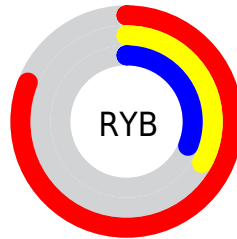
The XYZ color **29.9991, 20.0125, 9.4894** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.9352, 47.3814, 65.6966**, and the grayscale version is **17.8346, 18.7633, 20.4333**.

A 20% lighter version of the original color is **54.1592, 40.9693, 25.1320**, and **12.5438, 7.0513, 2.1387** is the 20% darker color. If you saturate the color by 10%, you get **28.0566, 17.1303, 5.7513**, and if you desaturate by 10%, it is **32.6008, 23.8434, 14.5885**.

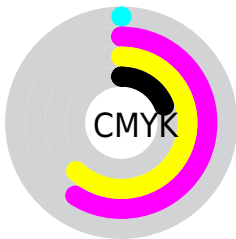
Distribution



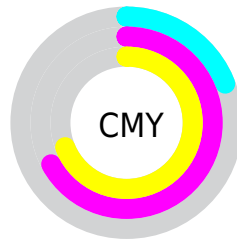
- Red (81%)
- Green (33%)
- Blue (31%)



- Red (81%)
- Yellow (33%)
- Blue (31%)



- Cyan (0%)
- Magenta (59%)
- Yellow (62%)
- Black (19%)





- Cyan (19%)
- Magenta (67%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9991, 20.0125, 9.4894 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 29.9991, 20.0125, 9.4894 by changing the saturation by 10% instead.


 29.9991, 20.0125,
9.4894


 29.9991, 20.0125,
9.4894


293.8102,
251.9828, 197.3385

 19.9860, 12.4041,
4.9606


 59.0474, 43.4381,
25.4232

 12.4931, 7.0195,
2.1658


 78.8133, 60.0242,
37.6653

 7.1550, 3.4743,
0.6545


 102.5608, 80.3716,
53.3156

 3.6064, 1.3841,
0.0000

 130.6553,
104.8648, 72.7926

 1.4820, 0.2050,
0.0000

 163.4621,
133.8881, 96.5148

 0.3135, 0.0000,
0.0000

201.3466,

 0.0000, 0.0000,

167.8259, 124.9009

0.0000

244.6742,
207.0627, 158.3692

■ 29.9991, 20.0125,
9.4894

■ 29.9991, 20.0125,
9.4894

■ 28.0566, 17.1303,
5.7513

■ 32.6008, 23.8434,
14.5885

■ 26.7128, 15.1111,
3.2427

■ 35.9123, 28.6925,
21.1614

■ 25.8985, 13.8596,
1.8083

■ 39.9810, 34.6264,
29.3103

■ 25.5584, 13.3316,
1.2262

■ 44.8495, 41.7054,
39.1279

■ 50.5576, 49.9851,
50.6998

■ 57.1422, 59.5177,
64.1058

■ 64.6381, 70.3522,
79.4208

■ 73.0782, 82.5350,
96.7154

■ 79.2635, 91.8618,
108.1612

Harmonies

Analogous

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



32.0894, 20.0125, 21.4920



29.9991, 20.0125, 9.4894



24.8802, 20.0125, 4.3713

Triad

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



29.9991, 20.0125, 9.4894



11.0404, 20.0125, 9.7907



19.1261, 20.0125, 70.0820

Complementary

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



29.9991, 20.0125, 9.4894



34.9352, 47.3814, 65.6966

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.



14.1629, 20.0125, 61.6831



29.9991, 20.0125, 9.4894



10.0923, 20.0125, 22.0912

Square

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



29.9991, 20.0125, 9.4894



14.0146, 20.0125, 4.4748



11.1134, 20.0125, 41.7489



25.0975, 20.0125, 61.0855

Rectangle

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



29.9991, 20.0125, 9.4894



20.8617, 20.0125, 3.2503



11.1134, 20.0125, 41.7489



17.2924, 20.0125, 69.1692

Sweetspot

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



29.9996, 20.0136, 9.4897



75.2047, 71.2574, 68.5338



38.8070, 22.8223, 58.0713



15.5542, 14.4641, 13.5707



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.



29.9996, 20.0136, 9.4897



44.5228, 26.3563, 7.5539



37.1488, 34.3120, 11.8728



11.2539, 11.2967, 11.6668



15.7579, 8.2488, 0.7616



0.8281, 0.4558, 0.0443

Inverse Universe

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



34.9352, 47.3814, 65.6966



53.1116, 74.2286, 106.1360



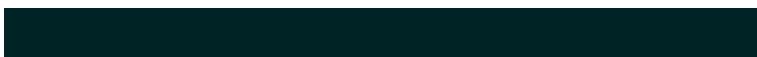
23.3328, 24.1766, 61.8291



11.4964, 12.6333, 14.4029



19.0821, 27.1882, 40.1984



0.9986, 1.4310, 2.0785

Previews

White Background



This preview shows how the XYZ color 29.9991, 20.0125, 9.4894 looks on a white background.

Color Contrast Check

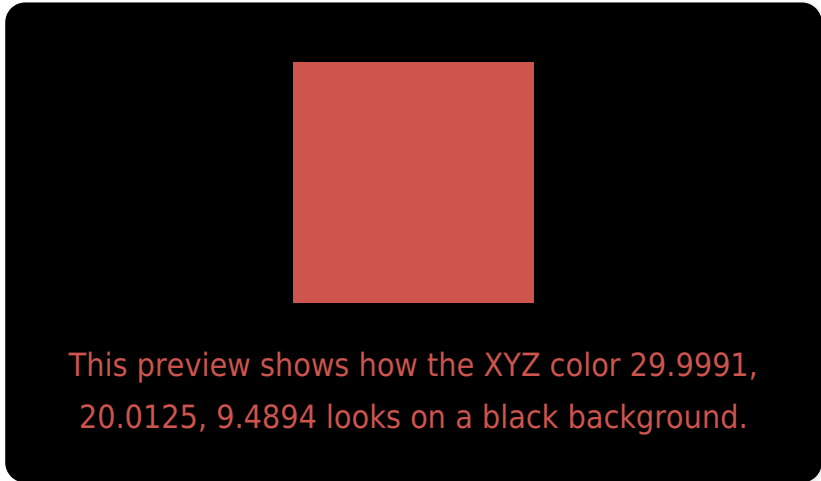
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 29.9991, 20.0125, 9.4894

Background



This preview shows how black text looks on a background with the XYZ color 29.9991, 20.0125, 9.4894.



This preview shows how white text looks on a background with the XYZ color 29.9991, 20.0125,

9.4894.

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

29.9991, 20.0125, 9.4894

Protanopia

18.9009, 20.2100, 13.4944

Deuteranopia

20.4106, 20.0041, 8.9163



Tritanopia

30.5868, 20.1565, 11.5110

Trichromacy



Original Color

29.9991, 20.0125, 9.4894

Protanomaly

21.7273, 19.1154, 11.7770

Deuteranomaly

23.1847, 19.4604, 9.0128

Tritanomaly

30.4256, 20.0920, 10.6620

Monochromacy



Original Color

29.9991, 20.0125, 9.4894

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.5700, 18.1146, 15.7769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9991, 20.0125, 9.4894 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(206, 84, 78)` looks like.

```
.text, #text, p{  
    color:rgb(206, 84, 78)  
}
```

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(206, 84, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 84, 78) }
```

Border

The CSS property to change the border of an element to XYZ 29.9991, 20.0125, 9.4894 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(206, 84, 78) }
```


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

```
.border{ border-color:rgb(206, 84, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 84, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 84, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 84, 78);  
box-shadow:4px 4px 4px 4px rgb(206, 84,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9991, 20.0125, 9.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 84, 78) }
```

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

```
.background{ background-color: rgb(206, 84,  
78) }
```

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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