

Converting Colors

XYZ(29.6306, 20.3172, 9.5419)

Have a look what the booklet for
XYZ(29.6306, 20.3172, 9.5419)
contains.

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Color

**XYZ(29.4935, 20.2260,
9.5573)**

Conversions

Conversions Part 1

Format	Color
Hex	CB584E
RGB	203, 88, 78
RGB Percent	80%, 35%, 31%
CMY	0.2039, 0.6549, 0.6941
CMYK	0.00, 0.57, 0.62, 0.20
HSL	5°, 55%, 55%
HSV	5°, 62%, 80%
XYZ	29.4935, 20.2260, 9.5573
YIQ	121.2450, 71.7500, 21.2700

Conversions

Conversions Part 2

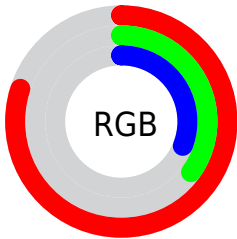
Format	Color
R _Y B	203, 89, 78
Decimal	13326414
CIE Lab	52.09, 45.01, 28.52
CIE LCh	52, 53.280, 32.358
Yxy	20.2260, 0.4976, 0.3412
Android (android.graphics.Color)	4291516494 (0xFFCB584E)
YUV	121.2450, -21.3198, 71.6991
Hunter-Lab	44.9733, 38.3570, 18.8816

Details

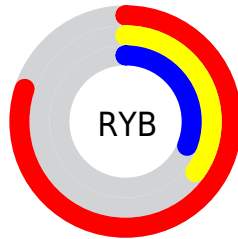
The XYZ color **29.4935, 20.2260, 9.5573** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **32.9900, 44.0688, 63.2671**, and the grayscale version is **18.3045, 19.2578, 20.9717**.

A 20% lighter version of the original color is **54.5956, 41.8421, 25.2775**, and **12.1742, 7.0935, 2.1664** is the 20% darker color. If you saturate the color by 10%, you get **27.5332, 17.2961, 5.8506**, and if you desaturate by 10%, it is **32.0719, 24.0332, 14.5784**.

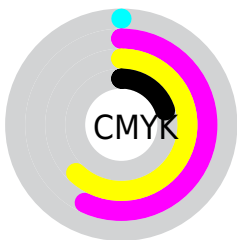
Distribution



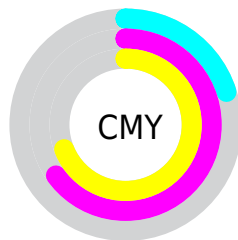
- Red (80%)
- Green (35%)
- Blue (31%)



- Red (80%)
- Yellow (35%)
- Blue (31%)



- Cyan (0%)
- Magenta (57%)
- Yellow (62%)
- Black (20%)





- Cyan (20%)
- Magenta (65%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4935, 20.2260, 9.5573 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 29.4935, 20.2260, 9.5573 by changing the saturation by 10% instead.


 29.4935, 20.2260,
9.5573


 29.4935, 20.2260,
9.5573


291.4887,
253.1360, 197.8512


 19.6006, 12.5594,
5.0047


 58.2524, 43.7958,
25.5541

 12.2116, 7.1259,
2.1912


 77.8491, 60.4678,
37.8354

 6.9612, 3.5409,
0.6693


 101.4112, 80.9103,
53.5299

 3.4840, 1.4202,
0.0000

 129.3039,
105.5079, 73.0563

 1.4146, 0.2316,
0.0000

 161.8927,
134.6449, 96.8331

 0.2666, 0.0000,
0.0000

199.5428,

 0.0000, 0.0000,

168.7056, 125.2789

0.0000

242.6197,
208.0745, 158.8120

■ 29.4935, 20.2260,
9.5573

■ 29.4935, 20.2260,
9.5573

■ 27.5332, 17.2961,
5.8506

■ 32.0719, 24.0332,
14.5784

■ 26.1377, 15.1703,
3.3340

■ 35.3132, 28.7766,
21.0206

■ 25.2465, 13.7693,
1.8616

■ 39.2596, 34.5138,
28.9808

■ 24.8175, 13.0745,
1.2156

■ 43.9492, 41.2971,
38.5471

■ 49.4176, 49.1747,
49.8010

■ 55.6980, 58.1922,
62.8183

■ 62.8218, 68.3924,
77.6702

■ 70.8185, 79.8159,
94.4241

■ 78.4385, 91.4365,
108.1226

Harmonies

Analogous

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



31.6969, 20.2260, 20.8119



29.4935, 20.2260, 9.5573



24.5020, 20.2260, 4.7086

Triad

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



29.4935, 20.2260, 9.5573



11.3611, 20.2260, 10.8352



19.6582, 20.2260, 67.6193

Complementary

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



29.4935, 20.2260, 9.5573



32.9900, 44.0688, 63.2671

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.



14.7645, 20.2260, 60.6943



29.4935, 20.2260, 9.5573



10.5462, 20.2260, 23.2796

Square

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



29.4935, 20.2260, 9.5573



14.1476, 20.2260, 5.1637



11.6672, 20.2260, 42.2839



25.3897, 20.2260, 58.3013

Rectangle

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



29.4935, 20.2260, 9.5573



20.6503, 20.2260, 3.6679



11.6672, 20.2260, 42.2839



17.8653, 20.2260, 67.1117

Sweetspot

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



29.4940, 20.2271, 9.5576



76.4985, 73.3434, 70.5113



37.1656, 22.0704, 53.7334



15.8222, 14.9030, 13.9601



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.



29.4940, 20.2271, 9.5576



45.2048, 27.6021, 8.1459



36.7248, 34.6888, 11.9679



11.2833, 11.3555, 11.6766



15.8209, 8.3747, 0.7826



0.8418, 0.4833, 0.0489

Inverse Universe

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



32.9900, 44.0688, 63.2671



51.4463, 70.6471, 105.5325



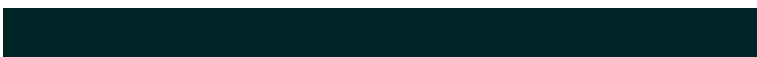
22.1954, 22.4794, 59.6688



11.4635, 12.5674, 14.3919



18.1667, 25.3573, 39.8932



0.9605, 1.3547, 2.0658

Previews

White Background



This preview shows how the XYZ color 29.4935, 20.2260, 9.5573 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 29.4935, 20.2260, 9.5573 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 29.4935, 20.2260, 9.5573

Background



This preview shows how black text looks on a background with the XYZ color 29.4935, 20.2260, 9.5573.



This preview shows how white text looks on a background with the XYZ color 29.4935, 20.2260,

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

29.4935, 20.2260, 9.5573

Protanopia

19.1409, 20.5259, 13.3090

Deuteranopia

20.7154, 20.3369, 8.9645



Tritanopia

30.1614, 20.2657, 12.4472

Trichromacy



Original Color

29.4935, 20.2260, 9.5573

Protanomaly

21.8537, 19.6638, 11.8762

Deuteranomaly

23.3932, 19.8775, 9.0823

Tritanomaly

30.0303, 20.3419, 11.3604

Monochromacy



Original Color

29.4935, 20.2260, 9.5573

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.7809, 18.5365, 15.8472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4935, 20.2260, 9.5573 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(203, 88, 78)` looks like.

```
.text, #text, p{  
  color:rgb(203, 88, 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(203, 88, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 88, 78) }
```

Border

The CSS property to change the border of an element to XYZ 29.4935, 20.2260, 9.5573 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(203, 88, 78) }
```


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

```
.border{ border-color:rgb(203, 88, 78) }
```

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

Here you see how a box with a 4 pixel rgb(203, 88, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 88, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 88, 78);  
box-shadow:4px 4px 4px 4px rgb(203, 88,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4935, 20.2260, 9.5573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 88, 78) }
```

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

```
.background{ background-color: rgb(203, 88,  
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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