

Converting Colors

XYZ(29.5833, 19.9701, 9.8323)

Have a look what the booklet for
XYZ(29.5833, 19.9701, 9.8323)
contains.

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Color

**XYZ(29.6776, 20.0721,
9.8995)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5650
RGB	204, 86, 80
RGB Percent	80%, 34%, 31%
CMY	0.2000, 0.6627, 0.6863
CMYK	0.00, 0.58, 0.61, 0.20
HSL	3°, 55%, 56%
HSV	3°, 61%, 80%
XYZ	29.6776, 20.0721, 9.8995
YIQ	120.5980, 72.2540, 23.1500

Conversions

Conversions Part 2

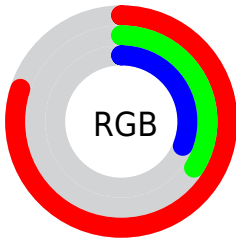
Format	Color
RYB	204, 86, 80
Decimal	13391440
CIELab	51.92, 46.46, 27.17
CIELCh	52, 53.817, 30.321
Yxy	20.0721, 0.4975, 0.3365
Android (android.graphics.Color)	4291581520 (0xFFCC5650)
YUV	120.5980, -20.0148, 73.1436
Hunter-Lab	44.8019, 39.8384, 18.2605

Details

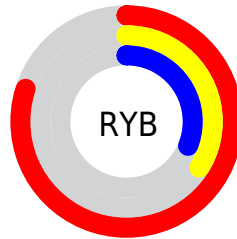
The XYZ color **29.6776, 20.0721, 9.8995** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.3999, 46.4502, 64.2793**, and the grayscale version is **18.0912, 19.0333, 20.7273**.

A 20% lighter version of the original color is **54.5805, 41.6011, 25.9220**, and **12.2950, 7.0306, 2.2991** is the 20% darker color. If you saturate the color by 10%, you get **27.6900, 17.1257, 6.0660**, and if you desaturate by 10%, it is **32.3158, 23.9539, 15.0788**.

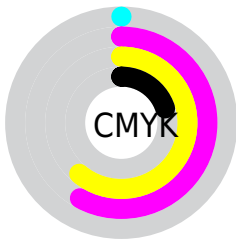
Distribution



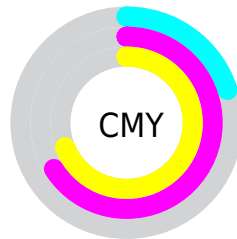
- Red (80%)
- Green (34%)
- Blue (31%)



- Red (80%)
- Yellow (34%)
- Blue (31%)



- Cyan (0%)
- Magenta (58%)
- Yellow (61%)
- Black (20%)





- Cyan (20%)
- Magenta (66%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6776, 20.0721, 9.8995 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 29.6776, 20.0721, 9.8995 by changing the saturation by 10% instead.


 29.6776, 20.0721,
9.8995


 29.6776, 20.0721,
9.8995


292.3356,
252.3052, 200.4120


 19.7409, 12.4475,
5.2276


 58.5421, 43.5380,
26.2112

 12.3140, 7.0492,
2.3204


 78.2005, 60.1481,
38.6880


 7.0316, 3.4929,
0.7426


 101.8303, 80.5221,
54.6036

 3.5284, 1.3941,
0.0000

 129.7966,
105.0445, 74.3766

 1.4390, 0.2124,
0.0000

 162.4650,
134.0996, 98.4253

 0.2837, 0.0000,
0.0000

200.2007,

 0.0000, 0.0000,

168.0718, 127.1684

0.0000

243.3692,
207.3455, 161.0245

■ 29.6776, 20.0721,
9.8995

■ 29.6776, 20.0721,
9.8995

■ 27.6900, 17.1257,
6.0660

■ 32.3158, 23.9539,
15.0788

■ 26.2951, 15.0329,
3.4527

■ 35.6529, 28.8373,
21.7121

■ 25.4274, 13.7034,
1.9120

■ 39.7344, 34.7864,
29.8978

■ 25.0090, 13.0518,
1.2011

■ 44.6015, 41.8591,
39.7254

■ 50.2924, 50.1090,
51.2775

■ 56.8427, 59.5862,
64.6314

■ 64.2861, 70.3382,
79.8594

■ 72.6543, 82.4097,
97.0301

■ 78.7117, 91.5773,
108.1354

Harmonies

Analogous

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



31.6518, 20.0721, 21.6869



29.6776, 20.0721, 9.8995



24.7761, 20.0721, 4.7375

Triad

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



29.6776, 20.0721, 9.8995



11.3191, 20.0721, 10.0728



19.1369, 20.0721, 67.9564

Complementary

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



29.6776, 20.0721, 9.8995



34.3999, 46.4502, 64.2793

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.



14.3281, 20.0721, 59.8789



29.6776, 20.0721, 9.8995



10.3723, 20.0721, 22.0242

Square

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



29.6776, 20.0721, 9.8995



14.2440, 20.0721, 4.7987



11.3607, 20.0721, 40.8695



24.8977, 20.0721, 59.5493

Rectangle

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



29.6776, 20.0721, 9.8995



20.9022, 20.0721, 3.5762



11.3607, 20.0721, 40.8695



17.3630, 20.0721, 67.0476

Sweetspot

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



29.6781, 20.0732, 9.8998



76.1357, 72.6178, 70.3904



38.1802, 22.7386, 56.9384



15.7359, 14.7303, 13.9313



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.



29.6781, 20.0732, 9.8998



45.0245, 27.1177, 8.4670



36.6492, 34.0154, 12.2235



11.2552, 11.2993, 11.6672



15.7607, 8.2543, 0.7626



0.8287, 0.4571, 0.0445

Inverse Universe

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



34.3999, 46.4502, 64.2793



53.4443, 74.3810, 106.1479



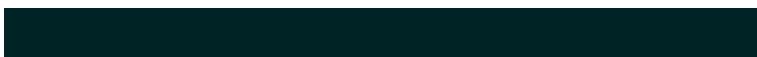
23.2767, 24.2039, 60.5715



11.4949, 12.6302, 14.4024



19.0394, 27.1027, 40.1841



0.9969, 1.4275, 2.0779

Previews

White Background



This preview shows how the XYZ color 29.6776, 20.0721, 9.8995 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 29.6776, 20.0721, 9.8995 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 29.6776, 20.0721, 9.8995

Background



This preview shows how black text looks on a background with the XYZ color 29.6776, 20.0721, 9.8995.



This preview shows how white text looks on a background with the XYZ color 29.6776, 20.0721,

9.8995.

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

29.6776, 20.0721, 9.8995

Protanopia

18.9918, 20.2464, 13.9733

Deuteranopia

20.5954, 20.2674, 9.3051



Tritanopia

30.2708, 20.2143, 11.9792

Trichromacy



Original Color

29.6776, 20.0721, 9.8995

Protanomaly

21.7195, 19.2610, 12.2459

Deuteranomaly

23.1398, 19.5832, 9.3978

Tritanomaly

30.1051, 20.1480, 11.1063

Monochromacy



Original Color

29.6776, 20.0721, 9.8995

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.7266, 18.3450, 16.0842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6776, 20.0721, 9.8995 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(204, 86, 80)` looks like.

```
.text, #text, p{  
    color:rgb(204, 86, 80)  
}
```

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(204, 86, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 86, 80) }
```

Border

The CSS property to change the border of an element to XYZ 29.6776, 20.0721, 9.8995 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(204, 86, 80) }
```


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

```
.border{ border-color:rgb(204, 86, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 86, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 86, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 86, 80);  
box-shadow:4px 4px 4px 4px rgb(204, 86,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6776, 20.0721, 9.8995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 86, 80) }
```

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

```
.background{ background-color: rgb(204, 86,  
80) }
```

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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