

Converting Colors

XYZ(29.1737, 19.7461, 12.8921)

Have a look what the booklet for
XYZ(29.1737, 19.7461, 12.8921)
contains.

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Color

**XYZ(29.1676, 19.7431,
12.8632)**

Conversions

Conversions Part 1

Format	Color
Hex	C8565E
RGB	200, 86, 94
RGB Percent	78%, 34%, 37%
CMY	0.2157, 0.6627, 0.6314
CMYK	0.00, 0.57, 0.53, 0.22
HSL	356°, 51%, 56%
HSV	356°, 57%, 78%
XYZ	29.1676, 19.7431, 12.8632
YIQ	120.9980, 65.3760, 26.6560

Conversions

Conversions Part 2

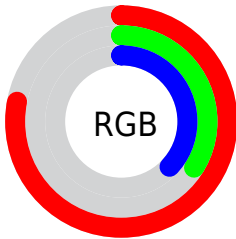
Format	Color
R_{YB}	200, 86, 94
Decimal	13129310
CIE _{Lab}	51.55, 46.11, 18.32
CIE _{LCh}	52, 49.617, 21.671
Yxy	19.7431, 0.4722, 0.3196
Android (android.graphics.Color)	4291319390 (0xFFC8565E)
YUV	120.9980, -13.3100, 69.2848
Hunter-Lab	44.4332, 39.4159, 13.9391

Details

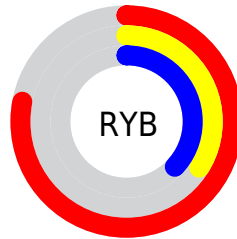
The XYZ color **29.1676, 19.7431, 12.8632** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.0077, 47.0932, 57.1700**, and the grayscale version is **18.2009, 19.1488, 20.8530**.

A 20% lighter version of the original color is **55.5067, 41.7389, 31.5164**, and **12.0080, 6.8561, 3.4868** is the 20% darker color. If you saturate the color by 10%, you get **27.0518, 16.6901, 8.5249**, and if you desaturate by 10%, it is **31.9321, 23.7720, 18.4099**.

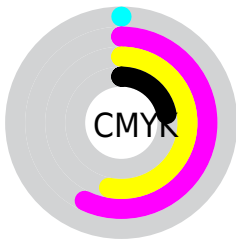
Distribution



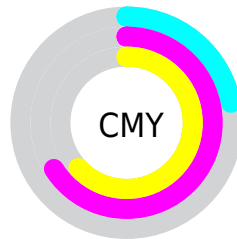
- Red (78%)
- Green (34%)
- Blue (37%)



- Red (78%)
- Yellow (34%)
- Blue (37%)



- Cyan (0%)
- Magenta (57%)
- Yellow (53%)
- Black (22%)





- Cyan (22%)
- Magenta (66%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1676, 19.7431, 12.8632 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 29.1676, 19.7431, 12.8632 by changing the saturation by 10% instead.


 29.1676, 19.7431,
12.8632


 29.1676, 19.7431,
12.8632


289.9849,
250.5210, 221.2160

 19.3526, 12.2084,
7.2048


 57.7390, 42.9861,
31.7454

 12.0308, 6.8858,
3.5101


 77.2260, 59.4631,
45.8062

 6.8370, 3.3908,
1.3606


 100.6678, 79.6898,
63.5050

 3.4058, 1.3390,
0.1107

 128.4297,
104.0505, 85.2601

 1.3718, 0.1711,
0.0000

160.8769,
132.9295, 111.4903

 0.2360, 0.0000,
0.0000

198.3750,

 0.0000, 0.0000,

166.7114, 142.6140

0.0000

241.2892,
205.7804, 179.0497

■ 29.1676, 19.7431,
12.8632

■ 29.1676, 19.7431,
12.8632

■ 27.0518, 16.6901,
8.5249

■ 31.9321, 23.7720,
18.4099

■ 25.5303, 14.5273,
5.3040

■ 35.3911, 28.8468,
25.2450

■ 24.5421, 13.1597,
3.0980

■ 39.5876, 35.0345,
33.4428

■ 24.0074, 12.4589,
1.7833

■ 44.5611, 42.3960,
43.0715

■ 23.8988, 12.3111,
1.5330

■ 50.3480, 50.9873,
54.1949

■ 56.9825, 60.8613,
66.8729

■ 64.4969, 72.0674,
81.1622

■ 72.9216, 84.6527,
97.1165

■ 77.6293, 91.0193,
108.0847

Harmonies

Analogous

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



29.9486, 19.7431, 25.7277



29.1676, 19.7431, 12.8632



25.3661, 19.7431, 6.3441

Triad

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



29.1676, 19.7431, 12.8632



12.2005, 19.7431, 8.5627



17.4095, 19.7431, 61.7543

Complementary

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



29.1676, 19.7431, 12.8632



34.0077, 47.0932, 57.1700

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.



13.4220, 19.7431, 51.0572



29.1676, 19.7431, 12.8632



10.7832, 19.7431, 17.7573

Square

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



29.1676, 19.7431, 12.8632



15.4407, 19.7431, 4.7383



11.1869, 19.7431, 33.3232



22.5356, 19.7431, 58.4753

Rectangle

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



29.1676, 19.7431, 12.8632



21.9468, 19.7431, 4.5411



11.1869, 19.7431, 33.3232



15.9070, 19.7431, 59.5497

Sweetspot

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



29.1681, 19.7442, 12.8635



76.9220, 73.0625, 74.1296



35.1140, 21.8385, 57.0079



16.0664, 15.0484, 15.0982



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.



29.1681, 19.7442, 12.8635



46.2368, 28.0383, 13.5083



33.9560, 29.8647, 12.7803



10.6635, 10.6488, 11.2115



15.2083, 7.8329, 1.0406



0.7308, 0.3752, 0.1058

Inverse Universe

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



29.1681, 19.7442, 12.8635



46.2368, 28.0383, 13.5083



25.5737, 28.7689, 58.8485



10.6635, 10.6488, 11.2115



15.2083, 7.8329, 1.0406



0.7308, 0.3752, 0.1058

Previews

White Background



This preview shows how the XYZ color 29.1676, 19.7431, 12.8632 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 29.1676, 19.7431, 12.8632 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 29.1676, 19.7431, 12.8632

Background



This preview shows how black text looks on a background with the XYZ color 29.1676, 19.7431, 12.8632.



This preview shows how white text looks on a background with the XYZ color 29.1676, 19.7431,

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

29.1676, 19.7431, 12.8632

Protanopia

18.9097, 19.9250, 18.1785

Deuteranopia

20.1357, 19.7891, 12.2096



Tritanopia

29.0790, 19.7076, 12.3965

Trichromacy



Original Color

29.1676, 19.7431, 12.8632

Protanomaly

21.4522, 19.0418, 15.9094

Deuteranomaly

22.7682, 19.1704, 12.3978

Tritanomaly

29.1230, 19.7253, 12.6283

Monochromacy



Original Color

29.1676, 19.7431, 12.8632

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.8095, 18.3569, 17.4854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1676, 19.7431, 12.8632 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(200, 86, 94)` looks like.

```
.text, #text, p{  
    color:rgb(200, 86, 94)  
}
```

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(200, 86, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 86, 94) }
```

Border

The CSS property to change the border of an element to XYZ 29.1676, 19.7431, 12.8632 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(200, 86, 94) }
```


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

```
.border{ border-color:rgb(200, 86, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 86, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 86, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 86, 94);  
box-shadow:4px 4px 4px 4px rgb(200, 86,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1676, 19.7431, 12.8632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 86, 94) }
```

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

```
.background{ background-color: rgb(200, 86,  
94) }
```

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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