

Converting Colors

XYZ(30.1697, 19.3678, 12.5849)

Have a look what the booklet for
XYZ(30.1697, 19.3678, 12.5849)
contains.

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Color

**XYZ(30.1538, 19.3609,
12.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	CE4E5D
RGB	206, 78, 93
RGB Percent	81%, 31%, 36%
CMY	0.1922, 0.6941, 0.6353
CMYK	0.00, 0.62, 0.55, 0.19
HSL	353°, 57%, 56%
HSV	353°, 62%, 81%
XYZ	30.1538, 19.3609, 12.5037
YIQ	117.9820, 71.4730, 31.8010

Conversions

Conversions Part 2

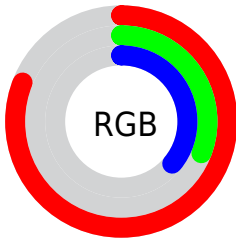
Format	Color
R _Y B	206, 78, 93
Decimal	13520477
CIE Lab	51.11, 51.76, 18.49
CIE LCh	51, 54.963, 19.657
Yxy	19.3609, 0.4862, 0.3122
Android (android.graphics.Color)	4291710557 (0xFFCE4E5D)
YUV	117.9820, -12.3161, 77.1918
Hunter-Lab	44.0010, 45.3239, 13.9524

Details

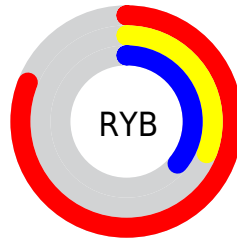
The XYZ color **30.1538, 19.3609, 12.5037** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.6185, 49.5244, 57.0286**, and the grayscale version is **17.2367, 18.1344, 19.7483**.

A 20% lighter version of the original color is **54.5855, 40.0182, 30.8339**, and **12.5524, 6.6868, 3.3184** is the 20% darker color. If you saturate the color by 10%, you get **28.2005, 16.5940, 8.3399**, and if you desaturate by 10%, it is **32.7579, 23.1231, 17.8298**.

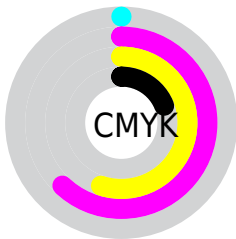
Distribution



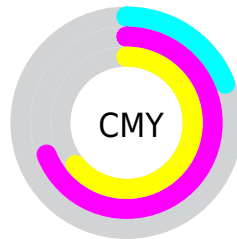
- Red (81%)
- Green (31%)
- Blue (36%)



- Red (81%)
- Yellow (31%)
- Blue (36%)



- Cyan (0%)
- Magenta (62%)
- Yellow (55%)
- Black (19%)





- Cyan (19%)
- Magenta (69%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1538, 19.3609, 12.5037 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 30.1538, 19.3609, 12.5037 by changing the saturation by 10% instead.

 30.1538, 19.3609,
12.5037


 30.1538, 19.3609,
12.5037


294.5177,
248.4340, 218.8069


 20.1040, 11.9313,
6.9610


 59.2903, 42.3431,
31.0872


 12.5794, 6.6969,
3.3596


 79.1077, 58.6644,
44.9652


 7.2145, 3.2733,
1.2811


 102.9117, 78.7186,
62.4586

 3.6442, 1.2760,
0.0462

 131.0676,
102.8898, 83.9860

 1.5029, 0.1225,
0.0000

 163.9408,
131.5626, 109.9660

 0.3278, 0.0000,
0.0000

201.8966,

 0.0000, 0.0000,

165.1213, 140.8172

0.0000

245.3005,
203.9502, 176.9580

■ 30.1538, 19.3609,
12.5037

■ 30.1538, 19.3609,
12.5037

■ 28.2005, 16.5940,
8.3399

■ 32.7579, 23.1231,
17.8298

■ 26.8384, 14.7247,
5.2499

■ 36.0625, 27.9599,
24.3957

■ 25.9989, 13.6413,
3.1339

■ 40.1142, 33.9460,
32.2733

■ 25.6198, 13.1883,
2.0666

■ 44.9550, 41.1489,
41.5286

■ 50.6239, 49.6306,
52.2233

■ 57.1572, 59.4489,
64.4152

■ 64.5892, 70.6583,
78.1591

■ 72.9521, 83.3100,
93.5068

■ 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.



30.7707, 19.3609, 26.9478



30.1538, 19.3609, 12.5037



26.0624, 19.3609, 5.4728

Triad

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



30.1538, 19.3609, 12.5037



11.5087, 19.3609, 7.0000



16.5821, 19.3609, 66.5979

Complementary

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



30.1538, 19.3609, 12.5037



34.6185, 49.5244, 57.0286

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.



12.4122, 19.3609, 53.2697



30.1538, 19.3609, 12.5037



9.8912, 19.3609, 16.1338

Square

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



30.1538, 19.3609, 12.5037



15.0940, 19.3609, 3.5581



10.1855, 19.3609, 32.8875



22.1610, 19.3609, 63.9164

Rectangle

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



30.1538, 19.3609, 12.5037



22.2949, 19.3609, 3.5958



10.1855, 19.3609, 32.8875



14.9908, 19.3609, 63.6589

Sweetspot

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



30.1543, 19.3620, 12.5040



75.3561, 70.4328, 72.0598



34.8354, 20.7165, 60.5550



15.5901, 14.2703, 14.4020



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.



30.1543, 19.3620, 12.5040



44.7452, 25.5730, 11.4142



34.1547, 28.3235, 10.8760



11.2649, 11.2347, 11.9295



15.7947, 8.1284, 1.3714



0.8331, 0.4267, 0.1671

Inverse Universe

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



30.1543, 19.3620, 12.5040



44.7452, 25.5730, 11.4142



26.6931, 30.8964, 62.9491



11.2649, 11.2347, 11.9295



15.7947, 8.1284, 1.3714



0.8331, 0.4267, 0.1671

Previews

White Background



This preview shows how the XYZ color 30.1538, 19.3609, 12.5037 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 30.1538, 19.3609, 12.5037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

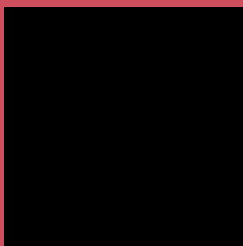
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1538, 19.3609, 12.5037

Background



This preview shows how black text looks on a background with the XYZ color 30.1538, 19.3609, 12.5037.

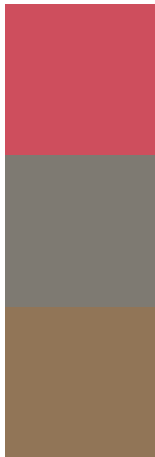


This preview shows how white text looks on a background with the XYZ color 30.1538, 19.3609,

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

30.1538, 19.3609, 12.5037

Protanopia

18.6010, 19.5696, 18.7165

Deuteranopia

19.7586, 19.4304, 11.7259



Tritanopia

29.8498, 19.3539, 10.5499

Trichromacy



Original Color

30.1538, 19.3609, 12.5037

Protanomaly

21.2731, 18.3172, 16.0500

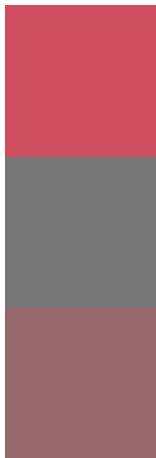
Deuteranomaly

22.5898, 18.6373, 11.8579

Tritanomaly

29.9699, 19.4019, 11.1822

Monochromacy



Original Color

30.1538, 19.3609, 12.5037

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.1882, 17.2887, 16.7410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1538, 19.3609, 12.5037 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, 78, 93)` looks like.

```
.text, #text, p{  
    color:rgb(206, 78, 93)  
}
```

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, 78, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 78, 93) }
```

Border

The CSS property to change the border of an element to XYZ 30.1538, 19.3609, 12.5037 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, 78, 93) }
```


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

```
.border{ border-color:rgb(206, 78, 93) }
```

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

Here you see how a box with a 4 pixel rgb(206, 78, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 78, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 78, 93);  
box-shadow:4px 4px 4px 4px rgb(206, 78,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1538, 19.3609, 12.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 78, 93) }
```

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

```
.background{ background-color: rgb(206, 78,  
93) }
```

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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