

Converting Colors

XYZ(28.2814, 20.1825, 19.8885)

Have a look what the booklet for
XYZ(28.2814, 20.1825, 19.8885)
contains.

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Color

**XYZ(28.3187, 20.1561,
19.8507)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5E77
RGB	189, 94, 119
RGB Percent	74%, 37%, 47%
CMY	0.2588, 0.6314, 0.5333
CMYK	0.00, 0.50, 0.37, 0.26
HSL	344°, 42%, 55%
HSV	344°, 50%, 74%
XYZ	28.3187, 20.1561, 19.8507
YIQ	125.2550, 48.5950, 27.9150

Conversions

Conversions Part 2

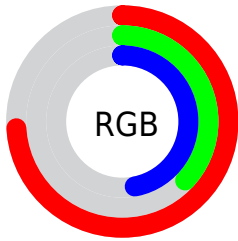
Format	Color
R_{YB}	189, 94, 119
Decimal	12410487
CIE _{Lab}	52.01, 40.79, 3.86
CIE _{LCh}	52, 40.972, 5.404
Yxy	20.1561, 0.4145, 0.2950
Android (android.graphics.Color)	4290600567 (0xFFBD5E77)
YUV	125.2550, -3.0837, 55.9044
Hunter-Lab	44.8955, 34.0250, 5.2116

Details

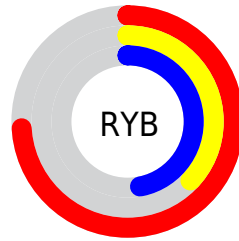
The XYZ color **28.3187, 20.1561, 19.8507** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **29.5155, 41.4556, 41.5704**, and the grayscale version is **19.5781, 20.5977, 22.4309**.

A 20% lighter version of the original color is **56.4958, 43.7642, 43.9978**, and **11.5169, 7.0882, 6.7224** is the 20% darker color. If you saturate the color by 10%, you get **26.0631, 16.8867, 15.2702**, and if you desaturate by 10%, it is **31.1095, 24.2994, 25.2147**.

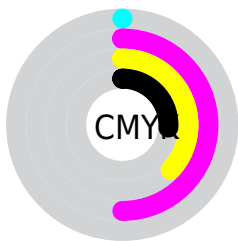
Distribution



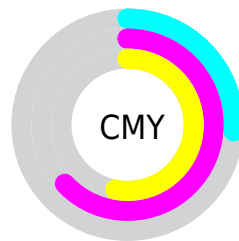
- Red (74%)
- Green (37%)
- Blue (47%)



- Red (74%)
- Yellow (37%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (37%)
- Black (26%)





- Cyan (26%)
- Magenta (63%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3187, 20.1561, 19.8507 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 28.3187, 20.1561, 19.8507 by changing the saturation by 10% instead.


 28.3187, 20.1561,
19.8507


 28.3187, 20.1561,
19.8507


286.0392,
252.7589, 263.6832


 18.7077, 12.5086,
12.1036


 56.3980, 43.6787,
44.0224


 11.5620, 7.0910,
6.6909


 75.5969, 60.3226,
61.2841

 6.5163, 3.5191,
3.1940


 98.7226, 80.7341,
82.5543

 3.2051, 1.4084,
1.1945

 126.1404,
105.2976, 108.2517

 1.2631, 0.2229,
0.0000

158.2156,
134.3974, 138.7947

 0.1554, 0.0000,
0.0000

195.3135,

 0.0000, 0.0000,

168.4179, 174.6019

0.0000

237.7996,
207.7437, 216.0919

■ 28.3187, 20.1561,
19.8507

■ 28.3187, 20.1561,
19.8507

■ 26.0631, 16.8867,
15.2702

■ 31.1095, 24.2994,
25.2147

■ 24.3051, 14.4250,
11.4340

■ 34.4662, 29.3707,
31.3965

■ 23.0047, 12.7000,
8.3008

■ 38.4193, 35.4229,
38.4297

■ 22.1146, 11.6268,
5.8243

■ 42.9964, 42.5043,
46.3455

■ 21.5561, 11.0468,
3.9833

■ 48.2234, 50.6599,
55.1737

■ 54.1249, 59.9322,
64.9424

■ 60.7238, 70.3610,
75.6787

■ 68.0424, 81.9846,
87.4084

■ 73.1276, 88.8913,
99.1652

Harmonies

Analogous

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



27.4288, 20.1561, 32.9813



28.3187, 20.1561, 19.8507



26.4790, 20.1561, 11.1351

Triad

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



28.3187, 20.1561, 19.8507



14.8709, 20.1561, 8.0291



16.0052, 20.1561, 50.2122

Complementary

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



28.3187, 20.1561, 19.8507



29.5155, 41.4556, 41.5704

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.



13.3281, 20.1561, 38.1533



28.3187, 20.1561, 19.8507



12.7430, 20.1561, 13.6967

Square

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



28.3187, 20.1561, 19.8507



18.4112, 20.1561, 6.0873



12.2221, 20.1561, 24.1850



19.9242, 20.1561, 53.7384

Rectangle

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



28.3187, 20.1561, 19.8507



24.0900, 20.1561, 7.9344



12.2221, 20.1561, 24.1850



14.9494, 20.1561, 46.8515

Sweetspot

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



28.3192, 20.1571, 19.8511



72.7830, 69.5757, 75.7460



28.4299, 19.5378, 50.4168



15.2855, 14.3960, 15.6538



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3192, 20.1571, 19.8511



46.4310, 29.8907, 26.8268



29.2720, 24.1573, 13.7110



9.6305, 9.5765, 10.4431



14.5310, 7.4436, 2.8240



0.5972, 0.3028, 0.2582

Inverse Universe

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



28.3192, 20.1571, 19.8511



46.4310, 29.8907, 26.8268



27.5904, 33.6309, 53.1813



9.6305, 9.5765, 10.4431



14.5310, 7.4436, 2.8240



0.5972, 0.3028, 0.2582

Previews

White Background



This preview shows how the XYZ color 28.3187, 20.1561, 19.8507 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 28.3187, 20.1561, 19.8507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

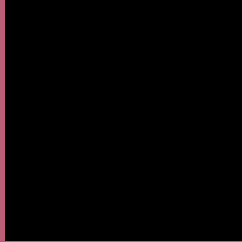
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3187, 20.1561, 19.8507

Background



This preview shows how black text looks on a background with the XYZ color 28.3187, 20.1561, 19.8507.



This preview shows how white text looks on a background with the XYZ color 28.3187, 20.1561,

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

28.3187, 20.1561, 19.8507

Protanopia

19.8200, 20.4038, 26.1863

Deuteranopia

20.6262, 20.2462, 19.0404



Tritanopia

27.5124, 20.2402, 15.5534

Trichromacy



Original Color

28.3187, 20.1561, 19.8507

Protanomaly

21.9670, 19.6250, 23.7493

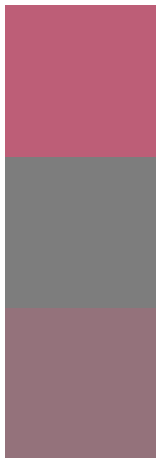
Deuteranomaly

22.9374, 19.8989, 19.1549

Tritanomaly

27.6822, 20.1612, 16.9005

Monochromacy



Original Color

28.3187, 20.1561, 19.8507

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.8052, 19.7606, 21.4038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3187, 20.1561, 19.8507 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(189, 94, 119)` looks like.

```
.text, #text, p{  
    color:rgb(189, 94, 119)  
}
```

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(189, 94, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 94, 119) }
```

Border

The CSS property to change the border of an element to XYZ 28.3187, 20.1561, 19.8507 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(189, 94, 119) }
```


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

```
.border{ border-color:rgb(189, 94, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 94, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 94, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 94, 119);  
box-shadow:4px 4px 4px 4px rgb(189, 94,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3187, 20.1561, 19.8507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 94, 119) }
```

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

```
.background{ background-color: rgb(189, 94,  
119) }
```

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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