

Converting Colors

XYZ(19.8415, 11.1019, 2.7163)

Have a look what the booklet for
XYZ(19.8415, 11.1019, 2.7163)
contains.

XYZ(19.7268, 11.0267, 2.6788)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.7268, 11.0267,
2.6788)**

Conversions

Conversions Part 1

Format	Color
Hex	B42323
RGB	180, 35, 35
RGB Percent	71%, 14%, 14%
CMY	0.2941, 0.8627, 0.8627
CMYK	0.00, 0.81, 0.81, 0.29
HSL	0°, 67%, 42%
HSV	0°, 81%, 71%
XYZ	19.7268, 11.0267, 2.6788
YIQ	78.3550, 86.4200, 30.7400

Conversions

Conversions Part 2

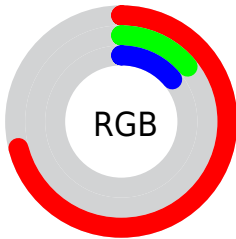
Format	Color
RYB	180, 35, 35
Decimal	11805475
CIELab	39.63, 56.27, 37.74
CIElCh	40, 67.753, 33.847
Yxy	11.0267, 0.5901, 0.3298
Android (android.graphics.Color)	4289995555 (0xFFB42323)
YUV	78.3550, -21.3740, 89.1427
Hunter-Lab	33.2065, 47.9292, 18.4615

Details

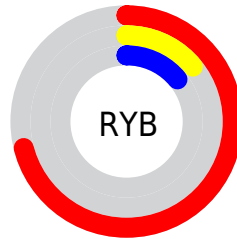
The XYZ color **19.7268, 11.0267, 2.6788** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.2502, 36.2903, 48.8536**, and the grayscale version is **7.3376, 7.7197, 8.4068**.

A 20% lighter version of the original color is **42.4501, 27.6542, 10.8850**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.1241, 10.1450, 1.4806**, and if you desaturate by 10%, it is **20.7385, 12.5075, 4.6894**.

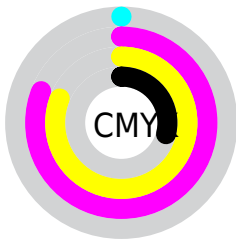
Distribution



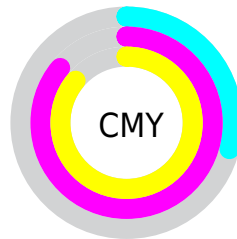
- Red (71%)
- Green (14%)
- Blue (14%)



- Red (71%)
- Yellow (14%)
- Blue (14%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (29%)





- Cyan (29%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7268, 11.0267, 2.6788 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 19.7268, 11.0267, 2.6788 by changing the saturation by 10% instead.


 19.7268, 11.0267,
2.6788


 19.7268, 11.0267,
2.6788


243.2941,
197.8506, 132.1583


 12.3037, 6.0848,
0.9327


 42.4661, 27.7095,
10.8250


 7.0245, 2.8967,
0.0000


 58.5131, 40.2192,
18.0626


 3.5239, 1.0780,
0.0000

 78.1653, 56.0204,
27.9678

 1.4365, 0.0000,
0.0000

 101.7883, 75.4973,
40.9593

 0.2820, 0.0000,
0.0000

 129.7473, 99.0343,
57.4555

 0.0000, 0.0000,
0.0000

 162.4077,

127.0160, 77.8751

200.1349,
159.8266, 102.6365

19.7268, 11.0267,
2.6788

19.7268, 11.0267,
2.6788

19.1241, 10.1450,
1.4806

20.7385, 12.5075,
4.6894

18.8224, 9.7035,
0.8809

22.2135, 14.6659,
7.6214

24.1985, 17.5706,
11.5675

26.7345, 21.2815,
16.6088

29.8582, 25.8524,
22.8186

■ 33.6032, 31.3324,
30.2636

■ 38.0006, 37.7670,
39.0054

■ 43.0792, 45.1984,
49.1018

■ 48.8664, 53.6666,
60.6068

Harmonies

Analogous

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



22.0795, 11.0267, 10.3785



19.7268, 11.0267, 2.6788



14.9046, 11.0267, 0.5246

Triad

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



19.7268, 11.0267, 2.6788



4.3572, 11.0267, 3.9206



11.0881, 11.0267, 59.4935

Complementary

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



19.7268, 11.0267, 2.6788



25.2502, 36.2903, 48.8536

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.



7.0320, 11.0267, 52.3916



19.7268, 11.0267, 2.6788



3.8803, 11.0267, 13.7958

Square

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



19.7268, 11.0267, 2.6788



6.2699, 11.0267, 0.8424



4.6978, 11.0267, 32.4869



16.2490, 11.0267, 47.9632

Rectangle

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



19.7268, 11.0267, 2.6788



11.4619, 11.0267, 0.0669



4.6978, 11.0267, 32.4869



9.5569, 11.0267, 59.2345

Sweetspot

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



19.7270, 11.0274, 2.6790



58.1749, 52.7809, 49.3970



27.6615, 14.2006, 44.4628



12.0639, 10.6620, 9.6631



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.7270, 11.0274, 2.6790



34.2442, 17.7627, 1.8258



24.4356, 20.4446, 4.2485



8.4964, 8.5054, 8.8464



13.1370, 6.7726, 0.6148



0.4134, 0.2131, 0.0194

Inverse Universe

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



25.2502, 36.2903, 48.8536



44.6146, 65.1982, 88.5277



14.2413, 14.2726, 45.1840



8.7426, 9.6315, 10.9046



17.1391, 25.0785, 34.0743



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 19.7268, 11.0267, 2.6788 looks on a white 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

Black Background



This preview shows how the XYZ color 19.7268, 11.0267, 2.6788 looks on a black 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

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

XYZ 19.7268, 11.0267, 2.6788

Background



This preview shows how black text looks on a background with the XYZ color 19.7268, 11.0267, 2.6788.



This preview shows how white text looks on a background with the XYZ color 19.7268, 11.0267,

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

19.7268, 11.0267, 2.6788

Protanopia

10.3987, 11.3665, 4.7779

Deuteranopia

11.4087, 11.2922, 2.3374



Tritanopia

19.7268, 11.0267, 2.6788

Trichromacy



Original Color

19.7268, 11.0267, 2.6788

Protanomaly

12.3719, 9.8601, 3.7337

Deuteranomaly

13.3725, 10.1222, 2.2859

Tritanomaly

19.7268, 11.0267, 2.6788

Monochromacy



Original Color

19.7268, 11.0267, 2.6788

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.6624, 7.4379, 5.4838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7268, 11.0267, 2.6788 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(180, 35, 35)` looks like.

```
.text, #text, p{  
    color:rgb(180, 35, 35)  
}
```

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(180, 35, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 35, 35) }
```

Border

The CSS property to change the border of an element to XYZ 19.7268, 11.0267, 2.6788 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(180, 35, 35) }
```


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

```
.border{ border-color:rgb(180, 35, 35) }
```

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

Here you see how a box with a 4 pixel rgb(180, 35, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 35, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 35, 35);  
box-shadow:4px 4px 4px 4px rgb(180, 35,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7268, 11.0267, 2.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 35, 35) }
```

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

```
.background{ background-color: rgb(180, 35,  
35) }
```

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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