

Converting Colors

XYZ(19.1994, 10.5853, 2.3002)

Have a look what the booklet for
XYZ(19.1994, 10.5853, 2.3002)
contains.

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Color

**XYZ(19.3277, 10.6626,
2.3357)**

Conversions

Conversions Part 1

Format	Color
Hex	B31F1F
RGB	179, 31, 31
RGB Percent	70%, 12%, 12%
CMY	0.2980, 0.8784, 0.8784
CMYK	0.00, 0.83, 0.83, 0.30
HSL	0°, 70%, 41%
HSV	0°, 83%, 70%
XYZ	19.3277, 10.6626, 2.3357
YIQ	75.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

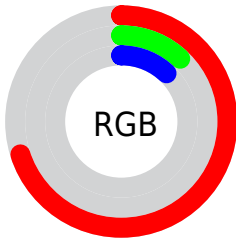
Format	Color
R_{YB}	179, 31, 31
Decimal	11738911
CIE Lab	39.01, 56.93, 39.27
CIE LCh	39, 69.158, 34.596
Yxy	10.6626, 0.5979, 0.3298
Android (android.graphics.Color)	4289928991 (0xFFB31F1F)
YUV	75.2520, -21.8162, 90.9870
Hunter-Lab	32.6536, 48.5104, 18.6166

Details

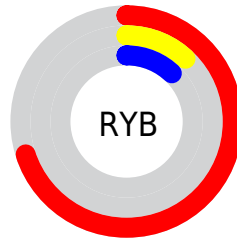
The XYZ color **19.3277, 10.6626, 2.3357** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.8189, 35.7803, 48.2457**, and the grayscale version is **6.7615, 7.1137, 7.7468**.

A 20% lighter version of the original color is **41.7496, 27.0533, 9.8588**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.8090, 9.9038, 1.3044**, and if you desaturate by 10%, it is **20.2372, 11.9938, 4.1431**.

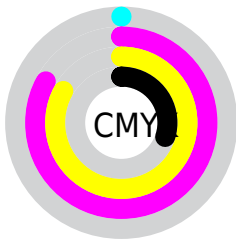
Distribution



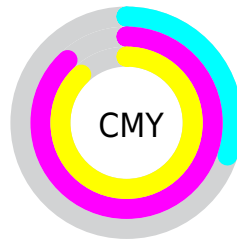
- Red (70%)
- Green (12%)
- Blue (12%)



- Red (70%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (83%)
- Yellow (83%)
- Black (30%)





- Cyan (30%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3277, 10.6626, 2.3357 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 19.3277, 10.6626, 2.3357 by changing the saturation by 10% instead.


 19.3277, 10.6626,
2.3357


 19.3277, 10.6626,
2.3357


241.1555,
195.3379, 127.3892


 12.0127, 5.8404,
0.7511


 41.7997, 27.0345,
9.9398


 6.8246, 2.7483,
0.0000


 57.6874, 39.3531,
16.8117


 3.3980, 1.0018,
0.0000

 77.1635, 54.9393,
26.2882

 1.3676, 0.0000,
0.0000

 100.5931, 74.1775,
38.7879

 0.2329, 0.0000,
0.0000


 128.3418, 97.4520,
54.7293


 0.0000, 0.0000,
0.0000


 160.7749,


125.1473, 74.5310


 198.2576,
157.6478, 98.6115


 19.3277, 10.6626,
2.3357


 19.3277, 10.6626,
2.3357


 18.8090, 9.9038,
1.3044


 20.2372, 11.9938,
4.1431

 18.5904, 9.5840,
0.8701

 21.5933, 13.9783,
6.8388

 23.4437, 16.6860,
10.5171

 25.8296, 20.1774,
15.2602

 28.7882, 24.5067,
21.1417

■ 32.3532, 29.7232,
28.2287

■ 36.5556, 35.8724,
36.5831

■ 41.4244, 42.9969,
46.2624

■ 46.9870, 51.1363,
57.3208

Harmonies

Analogous

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



21.7935, 10.6626, 9.6910



19.3277, 10.6626, 2.3357



14.4348, 10.6626, 0.3343

Triad

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



19.3277, 10.6626, 2.3357



4.0490, 10.6626, 3.7672



10.8619, 10.6626, 59.7865

Complementary

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



19.3277, 10.6626, 2.3357



24.8189, 35.7803, 48.2457

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.



6.7863, 10.6626, 52.9826



19.3277, 10.6626, 2.3357



3.6158, 10.6626, 13.7664

Square

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



19.3277, 10.6626, 2.3357



5.8870, 10.6626, 0.7218



4.4469, 10.6626, 32.8256



16.0498, 10.6626, 47.5777

Rectangle

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



19.3277, 10.6626, 2.3357



10.9927, 10.6626, 0.0000



4.4469, 10.6626, 32.8256



9.3221, 10.6626, 59.6936

Sweetspot

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



19.3279, 10.6633, 2.3359



56.0829, 50.5103, 46.8571



27.2169, 13.8183, 43.8802



11.9295, 10.4653, 9.3959



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.



19.3279, 10.6633, 2.3359



33.3331, 17.2201, 1.6336



23.8891, 19.7857, 3.8563



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.



24.8189, 35.7803, 48.2457



43.4663, 63.5733, 86.3611



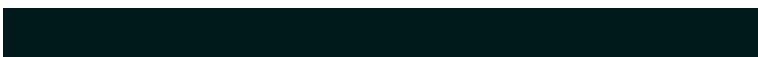
13.7532, 13.6491, 44.5571



8.7426, 9.6314, 10.9046



17.1387, 25.0777, 34.0742



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 19.3277, 10.6626, 2.3357 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 19.3277, 10.6626, 2.3357 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 19.3277, 10.6626, 2.3357

Background



This preview shows how black text looks on a background with the XYZ color 19.3277, 10.6626, 2.3357.



This preview shows how white text looks on a background with the XYZ color 19.3277, 10.6626,

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

19.3277, 10.6626, 2.3357

Protanopia

10.0210, 10.9175, 4.2685

Deuteranopia

11.0402, 10.8627, 1.9303



Tritanopia

19.3147, 10.6574, 2.2674

Trichromacy



Original Color

19.3277, 10.6626, 2.3357

Protanomaly

11.9505, 9.3657, 3.2757

Deuteranomaly

12.9486, 9.6403, 1.8401

Tritanomaly

19.3147, 10.6574, 2.2674

Monochromacy



Original Color

19.3277, 10.6626, 2.3357

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

9.1634, 6.9544, 4.9970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3277, 10.6626, 2.3357 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(179, 31, 31)` looks like.

```
.text, #text, p{  
    color:rgb(179, 31, 31)  
}
```

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(179, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 31, 31) }
```

Border

The CSS property to change the border of an element to XYZ 19.3277, 10.6626, 2.3357 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(179, 31, 31) }
```


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

```
.border{ border-color:rgb(179, 31, 31) }
```

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

Here you see how a box with a 4 pixel rgb(179, 31, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(179, 31,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3277, 10.6626, 2.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 31, 31) }
```

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

```
.background{ background-color: rgb(179, 31,  
31) }
```

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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