

Converting Colors

XYZ(22.2786, 11.9511, 3.2263)

Have a look what the booklet for
XYZ(22.2786, 11.9511, 3.2263)
contains.

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Color

**XYZ(22.2337, 11.9317,
3.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	BF1929
RGB	191, 25, 41
RGB Percent	75%, 10%, 16%
CMY	0.2510, 0.9019, 0.8392
CMYK	0.00, 0.87, 0.79, 0.25
HSL	354°, 77%, 42%
HSV	354°, 87%, 75%
XYZ	22.2337, 11.9317, 3.2290
YIQ	76.4580, 93.8000, 40.1680

Conversions

Conversions Part 2

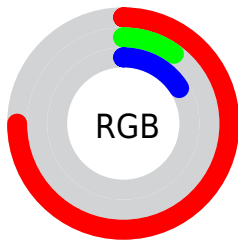
Format	Color
R_{YB}	191, 25, 41
Decimal	12523817
CIE Lab	41.11, 61.93, 36.55
CIE LCh	41, 71.910, 30.553
Yxy	11.9317, 0.5946, 0.3191
Android (android.graphics.Color)	4290713897 (0xFFBF1929)
YUV	76.4580, -17.4808, 100.4533
Hunter-Lab	34.5423, 54.4454, 18.6372

Details

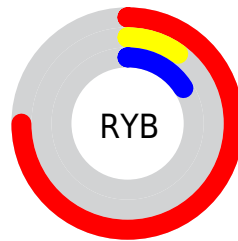
The XYZ color **22.2337, 11.9317, 3.2290** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.7717, 40.5641, 46.9854**, and the grayscale version is **6.9745, 7.3377, 7.9907**.

A 20% lighter version of the original color is **46.7014, 29.4303, 12.2360**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **21.7121, 11.2696, 1.8809**, and if you desaturate by 10%, it is **23.1612, 13.1947, 5.3640**.

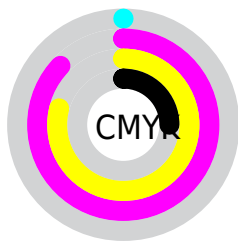
Distribution



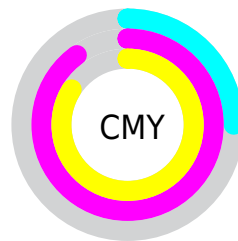
- Red (75%)
- Green (10%)
- Blue (16%)



- Red (75%)
- Yellow (10%)
- Blue (16%)



- Cyan (0%)
- Magenta (87%)
- Yellow (79%)
- Black (25%)





- Cyan (25%)
- Magenta (90%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2337, 11.9317, 3.2290 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 22.2337, 11.9317, 3.2290 by changing the saturation by 10% instead.


 22.2337, 11.9317,
3.2290


 22.2337, 11.9317,
3.2290


256.3738,
203.9526, 139.2259


 14.1463, 6.6972,
1.2127


 46.6079, 29.3707,
12.1885


 8.3049, 3.2735,
0.0000


 63.6255, 42.3439,
19.9687

 4.3441, 1.2761,
0.0000

 84.3504, 58.6655,
30.5074

 1.8986, 0.1226,
0.0000

 109.1481, 78.7198,
44.2230

 0.5760, 0.0000,
0.0000

 138.3840,
102.8913, 61.5342

 0.0000, 0.0000,
0.0000

 172.4233,

131.5643, 82.8593

211.6314,
165.1233, 108.6170

22.2337, 11.9317,
3.2290

22.2337, 11.9317,
3.2290

21.7121, 11.2696,
1.8809

23.1612, 13.1947,
5.3640

21.5981, 11.1212,
1.5974

24.5633, 15.1708,
8.3843

26.4932, 17.9455,
12.3731

28.9970, 21.5919,
17.4037

32.1154, 26.1746,
23.5425

■ 35.8855, 31.7521,
30.8502

■ 40.3416, 38.3783,
39.3832

■ 45.5155, 46.1031,
49.1941

■ 51.4369, 54.9731,
60.3326

Harmonies

Analogous

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



24.4654, 11.9317, 12.7186



22.2337, 11.9317, 3.2290



16.9623, 11.9317, 0.5771

Triad

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



22.2337, 11.9317, 3.2290



4.7007, 11.9317, 3.4209



11.4370, 11.9317, 67.3028

Complementary

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



22.2337, 11.9317, 3.2290



26.7717, 40.5641, 46.9854

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.



7.1227, 11.9317, 56.8862



22.2337, 11.9317, 3.2290



4.0227, 11.9317, 13.2685

Square

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



22.2337, 11.9317, 3.2290



7.0014, 11.9317, 0.6256



4.7543, 11.9317, 33.4985



17.1807, 11.9317, 56.1534

Rectangle

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



22.2337, 11.9317, 3.2290



13.0515, 11.9317, 0.0000



4.7543, 11.9317, 33.4985



9.7864, 11.9317, 66.1576

Sweetspot

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



22.2340, 11.9324, 3.2292



64.6333, 57.4051, 55.9495



27.2970, 13.5025, 50.4573



13.6383, 11.7835, 11.2162



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.2340, 11.9324, 3.2292



38.6443, 19.9030, 2.6590



25.4377, 18.6992, 3.1894



9.5665, 9.5509, 10.1061



14.2080, 7.3144, 1.1233



0.5692, 0.2916, 0.1109

Inverse Universe

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



22.2340, 11.9324, 3.2292



38.6443, 19.9030, 2.6590



17.0892, 18.5364, 51.9670



9.5665, 9.5509, 10.1061



14.2080, 7.3144, 1.1233



0.5692, 0.2916, 0.1109

Previews

White Background



This preview shows how the XYZ color 22.2337, 11.9317, 3.2290 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 22.2337, 11.9317, 3.2290 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 22.2337, 11.9317, 3.2290

Background



This preview shows how black text looks on a background with the XYZ color 22.2337, 11.9317, 3.2290.



This preview shows how white text looks on a background with the XYZ color 22.2337, 11.9317,

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

22.2337, 11.9317, 3.2290

Protanopia

11.2734, 12.1981, 6.1752

Deuteranopia

12.2923, 12.1235, 2.7908



Tritanopia

22.0876, 11.9815, 2.1258

Trichromacy



Original Color

22.2337, 11.9317, 3.2290

Protanomaly

13.4003, 10.1761, 4.7479

Deuteranomaly

14.5544, 10.5399, 2.7062

Tritanomaly

22.1251, 11.9592, 2.4385

Monochromacy



Original Color

22.2337, 11.9317, 3.2290

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.8315, 7.1367, 5.5620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2337, 11.9317, 3.2290 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(191, 25, 41)` looks like.

```
.text, #text, p{  
    color:rgb(191, 25, 41)  
}
```

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(191, 25, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 25, 41) }
```

Border

The CSS property to change the border of an element to XYZ 22.2337, 11.9317, 3.2290 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(191, 25, 41) }
```


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

```
.border{ border-color:rgb(191, 25, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 25, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 25, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 25, 41);  
box-shadow:4px 4px 4px 4px rgb(191, 25,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2337, 11.9317, 3.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 25, 41) }
```

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

```
.background{ background-color: rgb(191, 25,  
41) }
```

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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