

Converting Colors

XYZ(20.0032, 11.0138, 2.2340)

Have a look what the booklet for
XYZ(20.0032, 11.0138, 2.2340)
contains.

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Color

**XYZ(20.0032, 11.0138,
2.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	B61F1D
RGB	182, 31, 29
RGB Percent	71%, 12%, 11%
CMY	0.2863, 0.8784, 0.8863
CMYK	0.00, 0.83, 0.84, 0.29
HSL	1°, 73%, 41%
HSV	1°, 84%, 71%
XYZ	20.0032, 11.0138, 2.2340
YIQ	75.9210, 90.6380, 31.3900

Conversions

Conversions Part 2

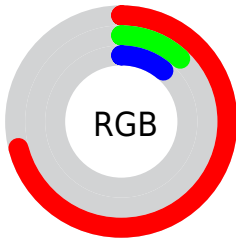
Format	Color
R_{YB}	182, 31, 29
Decimal	11935517
CIE Lab	39.60, 57.74, 41.12
CIE LCh	40, 70.883, 35.454
Yxy	11.0138, 0.6016, 0.3312
Android (android.graphics.Color)	4290125597 (0xFFB61F1D)
YUV	75.9210, -23.1321, 93.0313
Hunter-Lab	33.1870, 49.5120, 19.2398

Details

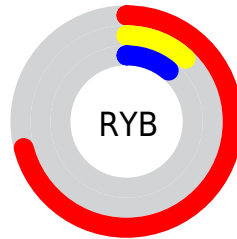
The XYZ color **20.0032, 11.0138, 2.2340** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.2685, 36.2752, 49.9257**, and the grayscale version is **6.8857, 7.2443, 7.8890**.

A 20% lighter version of the original color is **42.7533, 27.5748, 9.7257**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **19.4952, 10.2580, 1.2631**, and if you desaturate by 10%, it is **20.9057, 12.3464, 3.9918**.

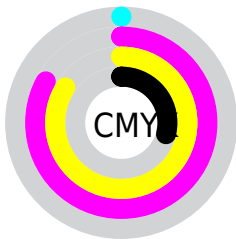
Distribution



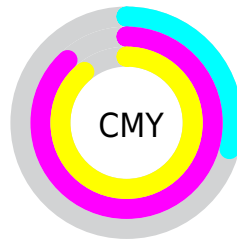
- Red (71%)
- Green (12%)
- Blue (11%)



- Red (71%)
- Yellow (12%)
- Blue (11%)



- Cyan (0%)
- Magenta (83%)
- Yellow (84%)
- Black (29%)





- Cyan (29%)
- Magenta (88%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0032, 11.0138, 2.2340 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 20.0032, 11.0138, 2.2340 by changing the saturation by 10% instead.


 20.0032, 11.0138,
2.2340


 20.0032, 11.0138,
2.2340


244.7657,
197.7622, 125.9106


 12.5056, 6.0761,
0.6939


 42.9265, 27.6857,
9.6712


 7.1637, 2.8914,
0.0000


 59.0829, 40.1887,
16.4299


 3.6119, 1.0753,
0.0000

 78.8563, 55.9822,
25.7733

 1.4850, 0.0000,
0.0000

 102.6120, 75.4507,
38.1200


 0.3156, 0.0000,
0.0000


 130.7155, 98.9786,
53.8885


 0.0000, 0.0000,
0.0000


 163.5320,


126.9502, 73.4975


 201.4270,
159.7499, 97.3653


 20.0032, 11.0138,
2.2340


 20.0032, 11.0138,
2.2340


 19.4952, 10.2580,
1.2631


 20.9057, 12.3464,
3.9918

 19.3173, 9.9970,
0.9115

 22.2604, 14.3380,
6.6564

 24.1162, 17.0595,
10.3275

 26.5156, 20.5723,
15.0919

 29.4966, 24.9313,
21.0270

■ 33.0936, 30.1865,
28.2033

■ 37.3386, 36.3841,
36.6854

■ 42.2611, 43.5669,
46.5338

■ 47.8891, 51.7753,
57.8050

Harmonies

Analogous

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



22.7035, 11.0138, 9.6373



20.0032, 11.0138, 2.2340



14.8202, 11.0138, 0.2660

Triad

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



20.0032, 11.0138, 2.2340



4.0887, 11.0138, 3.9885



11.3762, 11.0138, 62.7436

Complementary

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



20.0032, 11.0138, 2.2340



25.2685, 36.2752, 49.9257

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.



7.0645, 11.0138, 56.1103



20.0032, 11.0138, 2.2340



3.6773, 11.0138, 14.7024

Square

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



20.0032, 11.0138, 2.2340



5.9521, 11.0138, 0.7371



4.5788, 11.0138, 34.9851



16.8329, 11.0138, 49.3304

Rectangle

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



20.0032, 11.0138, 2.2340



11.2218, 11.0138, 0.0000



4.5788, 11.0138, 34.9851



9.7493, 11.0138, 62.8545

Sweetspot

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



20.0034, 11.0145, 2.2342



59.0459, 53.3365, 49.2300



28.1741, 14.2012, 45.5118



12.5201, 11.0188, 9.8329



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.0034, 11.0145, 2.2342



35.0090, 18.0981, 1.6481



24.6157, 20.2391, 3.7716



9.0138, 9.0306, 9.3749



13.6456, 7.0676, 0.6450



0.4843, 0.2556, 0.0238

Inverse Universe

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



25.2685, 36.2752, 49.9257



44.7388, 64.9848, 90.4211



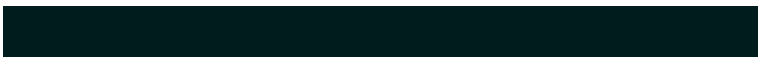
14.0528, 13.8439, 46.1872



9.2563, 10.1898, 11.5584



17.4363, 25.3323, 35.2237



0.6179, 0.8995, 1.2428

Previews

White Background



This preview shows how the XYZ color 20.0032, 11.0138, 2.2340 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



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 20.0032, 11.0138, 2.2340

Background



This preview shows how black text looks on a background with the XYZ color 20.0032, 11.0138, 2.2340.



This preview shows how white text looks on a background with the XYZ color 20.0032, 11.0138,

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

20.0032, 11.0138, 2.2340

Protanopia

10.3916, 11.3771, 4.1309

Deuteranopia

11.4402, 11.3207, 1.7832



Tritanopia

20.0157, 11.0188, 2.3002

Trichromacy



Original Color

20.0032, 11.0138, 2.2340

Protanomaly

12.3564, 9.7678, 3.1536

Deuteranomaly

13.5420, 10.1304, 1.6936

Tritanomaly

20.0157, 11.0188, 2.3002

Monochromacy



Original Color

20.0032, 11.0138, 2.2340

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.4755, 7.1923, 5.0265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0032, 11.0138, 2.2340 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(182, 31, 29)` looks like.

```
.text, #text, p{  
    color:rgb(182, 31, 29)  
}
```

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(182, 31, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 31, 29) }
```

Border

The CSS property to change the border of an element to XYZ 20.0032, 11.0138, 2.2340 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(182, 31, 29) }
```


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

```
.border{ border-color:rgb(182, 31, 29) }
```

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

Here you see how a box with a 4 pixel rgb(182, 31, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 31, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 31, 29);  
box-shadow:4px 4px 4px 4px rgb(182, 31,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0032, 11.0138, 2.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 31, 29) }
```

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

```
.background{ background-color: rgb(182, 31,  
29) }
```

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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