

Converting Colors

XYZ(20.0722, 11.3646, 3.8818)

Have a look what the booklet for
XYZ(20.0722, 11.3646, 3.8818)
contains.

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Color

**XYZ(20.0814, 11.3677,
3.9321)**

Conversions

Conversions Part 1

Format	Color
Hex	B42730
RGB	180, 39, 48
RGB Percent	71%, 15%, 19%
CMY	0.2941, 0.8470, 0.8118
CMYK	0.00, 0.78, 0.73, 0.29
HSL	356°, 64%, 43%
HSV	356°, 78%, 71%
XYZ	20.0814, 11.3677, 3.9321
YIQ	82.1850, 81.1470, 32.6910

Conversions

Conversions Part 2

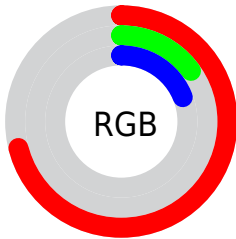
Format	Color
R_{YB}	180, 39, 48
Decimal	11806512
CIE Lab	40.19, 55.59, 30.78
CIE LCh	40, 63.538, 28.972
Yxy	11.3677, 0.5676, 0.3213
Android (android.graphics.Color)	4289996592 (0xFFB42730)
YUV	82.1850, -16.8532, 85.7838
Hunter-Lab	33.7160, 47.3123, 16.6866

Details

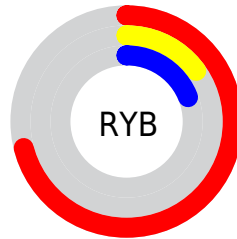
The XYZ color **20.0814, 11.3677, 3.9321** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.5099, 36.0145, 44.1926**, and the grayscale version is **8.0795, 8.5002, 9.2568**.

A 20% lighter version of the original color is **42.9130, 28.2348, 13.7778**, and **7.6242, 3.9285, 0.4426** is the 20% darker color. If you saturate the color by 10%, you get **19.3399, 10.3397, 2.2830**, and if you desaturate by 10%, it is **21.2358, 13.0105, 6.3707**.

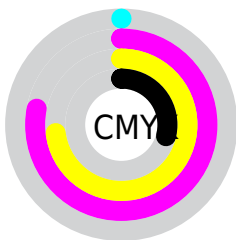
Distribution



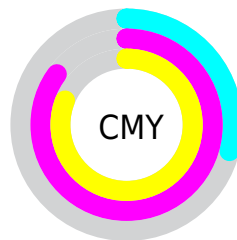
- Red (71%)
- Green (15%)
- Blue (19%)



- Red (71%)
- Yellow (15%)
- Blue (19%)



- Cyan (0%)
- Magenta (78%)
- Yellow (73%)
- Black (29%)





- Cyan (29%)
- Magenta (85%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0814, 11.3677, 3.9321 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 20.0814, 11.3677, 3.9321 by changing the saturation by 10% instead.


 20.0814, 11.3677,
3.9321


 20.0814, 11.3677,
3.9321


245.1806,
200.1731, 147.4676


 12.5628, 6.3147,
1.5882


 43.0565, 28.3381,
13.8529


 7.2031, 3.0374,
0.2824


 59.2438, 41.0244,
22.2668

 3.6369, 1.1513,
0.0000

 79.0513, 57.0238,
33.5411

 1.4988, 0.0214,
0.0000

 102.8445, 76.7209,
48.0943

 0.3250, 0.0000,
0.0000

 130.9886,
100.5000, 66.3451

 0.0000, 0.0000,
0.0000

 163.8492,

128.7454, 88.7119

201.7914,
161.8417, 115.6132

■ 20.0814, 11.3677,
3.9321

■ 20.0814, 11.3677,
3.9321

■ 19.3399, 10.3397,
2.2830

■ 21.2358, 13.0105,
6.3707

■ 18.9362, 9.8011,
1.3198

■ 22.8509, 15.3416,
9.6808

■ 18.8855, 9.7285,
1.2137

■ 24.9686, 18.4262,
13.9343

■ 27.6260, 22.3217,
19.1959

■ 30.8567, 27.0796,
25.5244

■ 34.6915, 32.7475,
32.9739

■ 39.1591, 39.3692,
41.5952

■ 44.2862, 46.9858,
51.4357

■ 50.0982, 55.6361,
62.5403

Harmonies

Analogous

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



21.7311, 11.3677, 12.8195



20.0814, 11.3677, 3.9321



15.8070, 11.3677, 1.0402

Triad

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



20.0814, 11.3677, 3.9321



5.0335, 11.3677, 3.5902



10.6528, 11.3677, 56.1804

Complementary

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



20.0814, 11.3677, 3.9321



24.5099, 36.0145, 44.1926

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.



6.9877, 11.3677, 47.1691



20.0814, 11.3677, 3.9321



4.3379, 11.3677, 11.9457

Square

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



20.0814, 11.3677, 3.9321



7.1871, 11.3677, 0.9586



4.9423, 11.3677, 28.3171



15.4689, 11.3677, 48.2431

Rectangle

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



20.0814, 11.3677, 3.9321



12.5142, 11.3677, 0.4847



4.9423, 11.3677, 28.3171



9.2584, 11.3677, 54.9673

Sweetspot

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



20.0817, 11.3684, 3.9323



59.2406, 53.9606, 52.6859



25.6717, 13.3601, 44.4055



12.2843, 10.8952, 10.3763



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.



20.0817, 11.3684, 3.9323



34.4983, 17.9948, 2.7623



23.7560, 18.9845, 4.3327



8.5176, 8.5138, 8.9582



13.1903, 6.7937, 0.8962



0.4222, 0.2166, 0.0663

Inverse Universe

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



20.0817, 11.3684, 3.9323



34.4983, 17.9948, 2.7623



15.6607, 16.8977, 45.6159



8.5176, 8.5138, 8.9582



13.1903, 6.7937, 0.8962



0.4222, 0.2166, 0.0663

Previews

White Background



This preview shows how the XYZ color 20.0814, 11.3677, 3.9321 looks on a white background.

Color Contrast Check

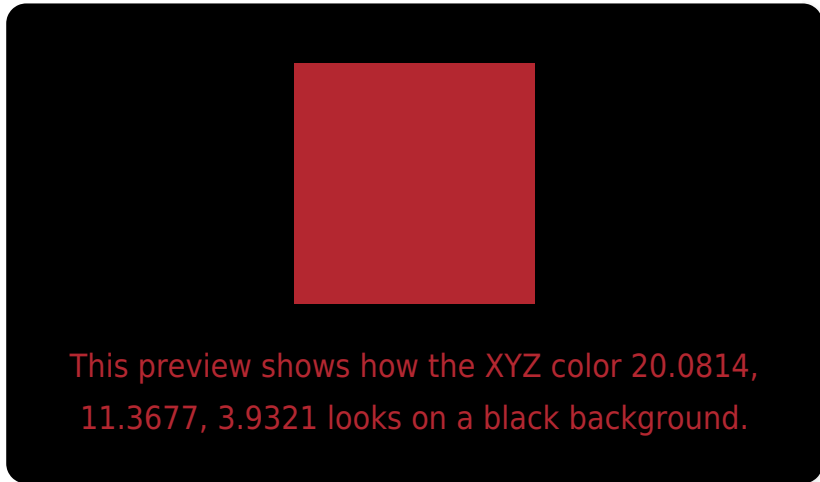
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0814, 11.3677, 3.9321

Background



This preview shows how black text looks on a background with the XYZ color 20.0814, 11.3677, 3.9321.



This preview shows how white text looks on a background with the XYZ color 20.0814, 11.3677,

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

20.0814, 11.3677, 3.9321

Protanopia

10.9049, 11.7140, 6.9965

Deuteranopia

11.7150, 11.5506, 3.5315



Tritanopia

19.9814, 11.3810, 3.2414

Trichromacy



Original Color

20.0814, 11.3677, 3.9321

Protanomaly

12.8474, 10.2639, 5.5790

Deuteranomaly

13.7198, 10.4646, 3.4872

Tritanomaly

20.0358, 11.4027, 3.5278

Monochromacy



Original Color

20.0814, 11.3677, 3.9321

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.5249, 8.1902, 6.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0814, 11.3677, 3.9321 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, 39, 48)` looks like.

```
.text, #text, p{  
    color:rgb(180, 39, 48)  
}
```

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, 39, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 39, 48) }
```

Border

The CSS property to change the border of an element to XYZ 20.0814, 11.3677, 3.9321 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, 39, 48) }
```


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

```
.border{ border-color:rgb(180, 39, 48) }
```

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

Here you see how a box with a 4 pixel rgb(180, 39, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 39, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 39, 48);  
box-shadow:4px 4px 4px 4px rgb(180, 39,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0814, 11.3677, 3.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 39, 48) }
```

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

```
.background{ background-color: rgb(180, 39,  
48) }
```

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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