

Converting Colors

XYZ(20.9790, 11.6809, 1.9999)

Have a look what the booklet for
XYZ(20.9790, 11.6809, 1.9999)
contains.

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Color

**XYZ(21.0156, 11.7071,
2.0162)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BA2318 |
| RGB | 186, 35, 24 |
| RGB Percent | 73%, 14%, 9% |
| CMY | 0.2706, 0.8627, 0.9059 |
| CMYK | 0.00, 0.81, 0.87, 0.27 |
| HSL | 4°, 77%, 41% |
| HSV | 4°, 87%, 73% |
| XYZ | 21.0156, 11.7071, 2.0162 |
| YIQ | 78.8950, 93.5270, 28.5910 |

Conversions

Conversions Part 2

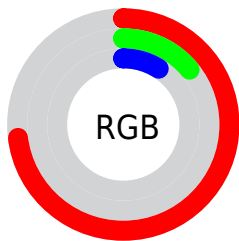
| Format | Color |
|-------------------------------------|--|
| RYB | 186, 36, 24 |
| Decimal | 12198680 |
| CIELab | 40.75, 57.75, 44.93 |
| CIElCh | 41, 73.166, 37.882 |
| Yxy | 11.7071, 0.6050, 0.3370 |
| Android (android.graphics.Color) | 4290388760 (0xFFBA2318) |
| YUV | 78.8950, -27.0632, 93.9311 |
| Hunter-Lab | 34.2156, 49.7592, 20.4572 |

Details

The XYZ color **21.0156, 11.7071, 2.0162** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.5669, 34.3941, 51.7979**, and the grayscale version is **7.4505, 7.8385, 8.5361**.

A 20% lighter version of the original color is **44.6220, 28.9506, 9.0305**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.4903, 10.8731, 1.1738**, and if you desaturate by 10%, it is **21.9219, 13.0978, 3.6200**.

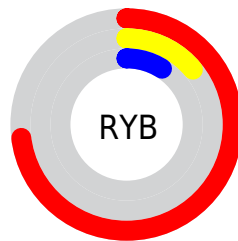
Distribution



Red (73%)

Green (14%)

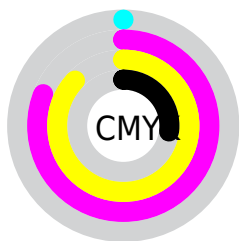
Blue (9%)



Red (73%)

Yellow (14%)

Blue (9%)

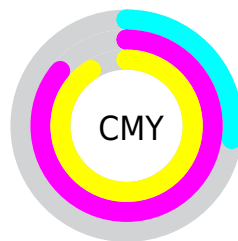


Cyan (0%)

Magenta (81%)

Yellow (87%)

Black (27%)



Cyan (27%)


Magenta (86%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0156, 11.7071, 2.0162 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 21.0156, 11.7071, 2.0162 by changing the saturation by 10% instead.


 21.0156, 11.7071,
2.0162

 21.0156, 11.7071,
2.0162


250.0915,
202.4565, 122.6278


 13.2479, 6.5446,
0.5652


 44.6046, 28.9605,
9.0850


 7.6777, 3.1789,
0.0000


 61.1566, 41.8202,
15.5925


 3.9395, 1.2259,
0.0000

 81.3674, 58.0143,
24.6400

 1.6679, 0.0827,
0.0000

 105.6025, 77.9274,
36.6462

 0.4361, 0.0000,
0.0000


 134.2270,
101.9437, 52.0295


 0.0000, 0.0000,
0.0000


 167.6065,


130.4478, 71.2085


 206.1062,
163.8239, 94.6018


 21.0156, 11.7071,
2.0162


 21.0156, 11.7071,
2.0162


 20.4903, 10.8731,
1.1738


 21.9219, 13.0978,
3.6200

 20.3890, 10.7179,
0.9941

 23.2677, 15.1190,
6.1352

 25.1000, 17.8349,
9.6704

 27.4593, 21.3008,
14.3188

 30.3821, 25.5667,
20.1633

■ 33.9016, 30.6781,
27.2786

■ 38.0483, 36.6774,
35.7334

■ 42.8507, 43.6038,
45.5917

■ 48.3356, 51.4942,
56.9132

Harmonies

Analogous

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



24.2385, 11.7071, 9.2136



21.0156, 11.7071, 2.0162



15.3262, 11.7071, 0.1727

Triad

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



21.0156, 11.7071, 2.0162



4.2033, 11.7071, 4.7269



12.5536, 11.7071, 67.2391

Complementary

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



21.0156, 11.7071, 2.0162



24.5669, 34.3941, 51.7979

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.



7.7752, 11.7071, 61.8328



21.0156, 11.7071, 2.0162



3.8775, 11.7071, 17.0849

Square

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



21.0156, 11.7071, 2.0162



6.0530, 11.7071, 0.8743



4.9603, 11.7071, 39.6049



18.4539, 11.7071, 51.2616

Rectangle

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



21.0156, 11.7071, 2.0162



11.5003, 11.7071, 0.0000



4.9603, 11.7071, 39.6049



10.7623, 11.7071, 68.0016

Sweetspot

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



21.0159, 11.7078, 2.0164



61.9138, 56.2799, 50.3884



28.3337, 14.1953, 41.9068



13.1120, 11.6362, 10.0364



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.0159, 11.7078, 2.0164



36.8961, 19.3061, 1.7818



26.6368, 22.9497, 3.8900



9.0523, 9.1076, 9.3877



13.7382, 7.2528, 0.6758



0.5010, 0.2890, 0.0294

Inverse Universe

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



24.5669, 34.3941, 51.7979



43.2017, 60.7000, 93.6407



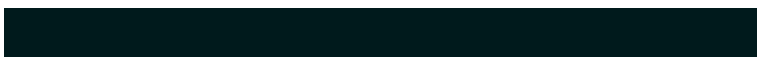
13.2601, 11.7804, 48.0290



9.2130, 10.1033, 11.5440



16.0844, 22.6285, 34.7731



0.5828, 0.8292, 1.2311

Previews

White Background



This preview shows how the XYZ color 21.0156, 11.7071, 2.0162 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 21.0156, 11.7071, 2.0162

Background



This preview shows how black text looks on a background with the XYZ color 21.0156, 11.7071, 2.0162.



This preview shows how white text looks on a background with the XYZ color 21.0156, 11.7071,

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

21.0156, 11.7071, 2.0162

Protanopia

11.0406, 12.1331, 3.6795

Deuteranopia

11.9955, 11.8652, 1.6580



Tritanopia

21.0962, 11.6930, 2.5839

Trichromacy



Original Color

21.0156, 11.7071, 2.0162

Protanomaly

13.1213, 10.4660, 2.8419

Deuteranomaly

14.1566, 10.6372, 1.5655

Tritanomaly

21.0561, 11.6769, 2.3724

Monochromacy



Original Color

21.0156, 11.7071, 2.0162

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.0381, 7.7223, 5.0992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0156, 11.7071, 2.0162 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(186, 35, 24)` looks like.

```
.text, #text, p{  
    color:rgb(186, 35, 24)  
}
```

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(186, 35, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 35, 24) }
```

Border

The CSS property to change the border of an element to XYZ 21.0156, 11.7071, 2.0162 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(186, 35, 24) }
```


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

```
.border{ border-color:rgb(186, 35, 24) }
```

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

Here you see how a box with a 4 pixel rgb(186, 35, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 35, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 35, 24);  
box-shadow:4px 4px 4px 4px rgb(186, 35,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0156, 11.7071, 2.0162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 35, 24) }
```

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

```
.background{ background-color: rgb(186, 35,  
24) }
```

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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