

Converting Colors

XYZ(21.8440, 11.9208, 1.9595)

Have a look what the booklet for
XYZ(21.8440, 11.9208, 1.9595)
contains.

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Color

**XYZ(21.8541, 11.9376,
1.9629)**

Conversions

Conversions Part 1

Format	Color
Hex	BE1E17
RGB	190, 30, 23
RGB Percent	75%, 12%, 9%
CMY	0.2549, 0.8823, 0.9098
CMYK	0.00, 0.84, 0.88, 0.25
HSL	3°, 78%, 42%
HSV	3°, 88%, 75%
XYZ	21.8541, 11.9376, 1.9629
YIQ	77.0420, 97.6070, 31.7430

Conversions

Conversions Part 2

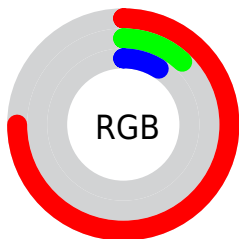
Format	Color
R_{YB}	190, 30, 23
Decimal	12459543
CIE Lab	41.12, 60.12, 46.04
CIE LCh	41, 75.723, 37.441
Yxy	11.9376, 0.6112, 0.3339
Android (android.graphics.Color)	4290649623 (0xFFBE1E17)
YUV	77.0420, -26.6427, 99.0642
Hunter-Lab	34.5508, 52.4409, 20.8172

Details

The XYZ color **21.8541, 11.9376, 1.9629** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.5770, 37.7588, 54.6021**, and the grayscale version is **7.0988, 7.4685, 8.1331**.

A 20% lighter version of the original color is **45.8616, 29.3292, 8.8742**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.3861, 11.2143, 1.1523**, and if you desaturate by 10%, it is **22.7188, 13.2461, 3.5498**.

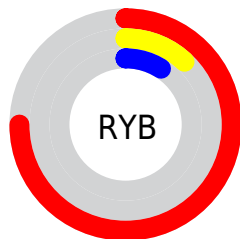
Distribution



Red (75%)

Green (12%)

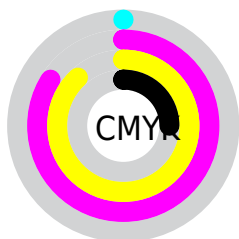
Blue (9%)



Red (75%)

Yellow (12%)

Blue (9%)

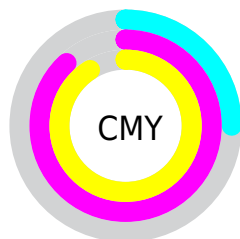


Cyan (0%)

Magenta (84%)

Yellow (88%)

Black (25%)



Cyan (25%)

Magenta (88%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8541, 11.9376, 1.9629 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 21.8541, 11.9376, 1.9629 by changing the saturation by 10% instead.

■ 21.8541, 11.9376,
1.9629

■ 21.8541, 11.9376,
1.9629

254.4301,
203.9917, 121.7980

■ 13.8657, 6.7012,
0.5323

■ 45.9854, 29.3814,
8.9391

■ 8.1084, 3.2759,
0.0000

■ 62.8590, 42.3576,
15.3831

■ 4.2168, 1.2774,
0.0000

■ 83.4251, 58.6825,
24.3558

■ 1.8255, 0.1236,
0.0000

■ 108.0491, 78.7406,
36.2757


■ 0.5330, 0.0000,
0.0000


■ 137.0962,
102.9161, 51.5613


■ 0.0000, 0.0000,
0.0000


■ 170.9318,


131.5936, 70.6312


 209.9213,
165.1573, 93.9039


 21.8541, 11.9376,
1.9629


 21.8541, 11.9376,
1.9629


 21.3861, 11.2143,
1.1523


 22.7188, 13.2461,
3.5498

 21.3216, 11.1204,
1.0227

 24.0502, 15.2297,
6.0868

 25.9018, 17.9639,
9.6915

 28.3198, 21.5133,
14.4640

 31.3453, 25.9358,
20.4933

■ 35.0157, 31.2840,
27.8594

■ 39.3651, 37.6063,
36.6360

■ 44.4255, 44.9476,
46.8911

■ 50.2266, 53.3503,
58.6886

Harmonies

Analogous

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



25.2157, 11.9376, 9.4886



21.8541, 11.9376, 1.9629



15.8553, 11.9376, 0.0673

Triad

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



21.8541, 11.9376, 1.9629



4.1641, 11.9376, 4.5548



12.7570, 11.9376, 71.1598

Complementary

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



21.8541, 11.9376, 1.9629



26.5770, 37.7588, 54.6021

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.



7.7852, 11.9376, 65.0046



21.8541, 11.9376, 1.9629



3.8093, 11.9376, 17.2809

Square

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



21.8541, 11.9376, 1.9629



6.0974, 11.9376, 0.7529



4.8985, 11.9376, 41.0761



18.9756, 11.9376, 54.2966

Rectangle

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



21.8541, 11.9376, 1.9629



11.8201, 11.9376, 0.0000



4.8985, 11.9376, 41.0761



10.8853, 11.9376, 71.8537

Sweetspot

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



21.8544, 11.9383, 1.9631



64.5372, 58.2675, 52.6663



30.2385, 15.0387, 46.8944



13.6154, 11.9853, 10.4455



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.



21.8544, 11.9383, 1.9631



38.5942, 20.0635, 1.8385



27.1911, 22.6118, 3.7420



9.5615, 9.5989, 9.9255



14.1923, 7.4235, 0.6849



0.5671, 0.3131, 0.0305

Inverse Universe

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



26.5770, 37.7588, 54.6021



47.1137, 67.2792, 98.7822



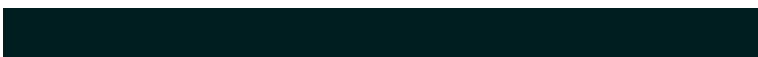
14.2946, 13.1941, 50.5080



9.7733, 10.7389, 12.2299



17.3203, 24.7522, 36.2577



0.6892, 0.9910, 1.4238

Previews

White Background



This preview shows how the XYZ color 21.8541, 11.9376, 1.9629 looks on a white background.

Color Contrast Check

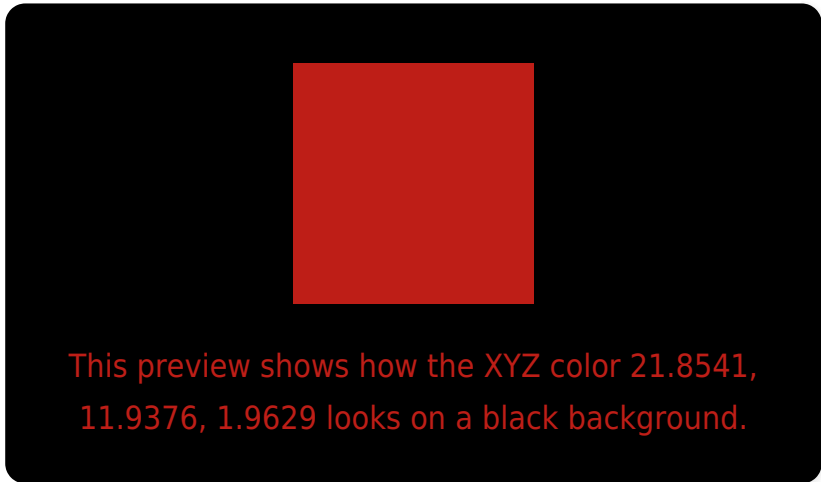
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8541, 11.9376, 1.9629

Background



This preview shows how black text looks on a background with the XYZ color 21.8541, 11.9376, 1.9629.



This preview shows how white text looks on a background with the XYZ color 21.8541, 11.9376,

1.9629.

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

21.8541, 11.9376, 1.9629

Protanopia

11.1479, 12.1903, 3.5991

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

21.8724, 11.9050, 2.1820

Trichromacy



Original Color

21.8541, 11.9376, 1.9629

Protanomaly

13.3045, 10.3639, 2.7380

Deuteranomaly

14.4467, 10.6937, 1.5324

Tritanomaly

21.8610, 11.9005, 2.1221

Monochromacy



Original Color

21.8541, 11.9376, 1.9629

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.8256, 7.3787, 4.7773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8541, 11.9376, 1.9629 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(190, 30, 23)` looks like.

```
.text, #text, p{  
    color:rgb(190, 30, 23)  
}
```

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(190, 30, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 30, 23) }
```

Border

The CSS property to change the border of an element to XYZ 21.8541, 11.9376, 1.9629 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(190, 30, 23) }
```


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

```
.border{ border-color:rgb(190, 30, 23) }
```

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

Here you see how a box with a 4 pixel rgb(190, 30, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 30, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 30, 23);  
box-shadow:4px 4px 4px 4px rgb(190, 30,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8541, 11.9376, 1.9629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 30, 23) }
```

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

```
.background{ background-color: rgb(190, 30,  
23) }
```

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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