

Converting Colors

XYZ(21.8356, 11.8938, 4.5268)

Have a look what the booklet for
XYZ(21.8356, 11.8938, 4.5268)
contains.

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Color

**XYZ(21.8716, 11.9284,
4.5178)**

Conversions

Conversions Part 1

Format	Color
Hex	BC1F35
RGB	188, 31, 53
RGB Percent	74%, 12%, 21%
CMY	0.2627, 0.8784, 0.7922
CMYK	0.00, 0.84, 0.72, 0.26
HSL	352°, 72%, 43%
HSV	352°, 84%, 74%
XYZ	21.8716, 11.9284, 4.5178
YIQ	80.4510, 86.5100, 40.1260

Conversions

Conversions Part 2

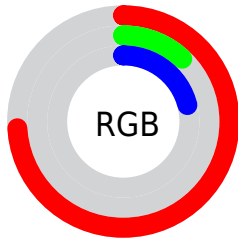
Format	Color
R_{YB}	188, 31, 53
Decimal	12328757
CIE Lab	41.10, 60.27, 29.21
CIE LCh	41, 66.974, 25.860
Yxy	11.9284, 0.5708, 0.3113
Android (android.graphics.Color)	4290518837 (0xFFBC1F35)
YUV	80.4510, -13.5333, 94.3205
Hunter-Lab	34.5375, 52.5982, 16.4206

Details

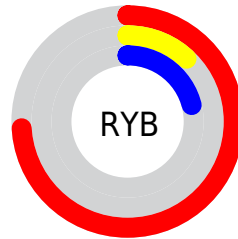
The XYZ color **21.8716, 11.9284, 4.5178** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.4329, 39.0114, 42.2732**, and the grayscale version is **7.7283, 8.1308, 8.8544**.

A 20% lighter version of the original color is **46.0866, 29.4347, 15.3090**, and **8.6590, 4.4575, 0.6912** is the 20% darker color. If you saturate the color by 10%, you get **21.2043, 11.0920, 2.7599**, and if you desaturate by 10%, it is **22.9510, 13.3885, 7.0321**.

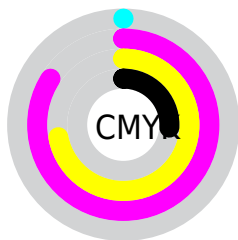
Distribution



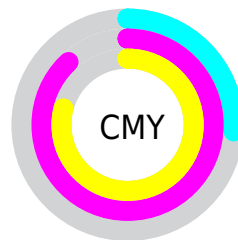
- Red (74%)
- Green (12%)
- Blue (21%)



- Red (74%)
- Yellow (12%)
- Blue (21%)



- Cyan (0%)
- Magenta (84%)
- Yellow (72%)
- Black (26%)





- Cyan (26%)
- Magenta (88%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8716, 11.9284, 4.5178 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 21.8716, 11.9284, 4.5178 by changing the saturation by 10% instead.


 21.8716, 11.9284,
4.5178


 21.8716, 11.9284,
4.5178


254.5200,
203.9307, 153.8177


 13.8787, 6.6949,
1.9135


 46.0141, 29.3646,
15.1874


 8.1175, 3.2721,
0.5013


 62.8944, 42.3362,
24.0897

 4.2226, 1.2754,
0.0000

 83.4679, 58.6559,
35.9285

 1.8288, 0.1220,
0.0000

 108.0998, 78.7082,
51.1222

 0.5350, 0.0000,
0.0000

 137.1557,
102.8774, 70.0895

 0.0000, 0.0000,
0.0000

 171.0007,

131.5480, 93.2488

210.0004,
165.1043, 121.0187

■ 21.8716, 11.9284,
4.5178

■ 21.8716, 11.9284,
4.5178

■ 21.2043, 11.0920,
2.7599

■ 22.9510, 13.3885,
7.0321

■ 20.9290, 10.7673,
1.9718

■ 24.4964, 15.5616,
10.3768

■ 26.5545, 18.5247,
14.6173

■ 29.1655, 22.3440,
19.8122

■ 32.3661, 27.0792,
26.0153

■ 36.1895, 32.7841,
33.2761

■ 40.6665, 39.5088,
41.6410

■ 45.8258, 47.2996,
51.1535

■ 51.6944, 56.2003,
61.8549

Harmonies

Analogous

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



23.3005, 11.9284, 14.9969



21.8716, 11.9284, 4.5178



17.3652, 11.9284, 1.0836

Triad

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



21.8716, 11.9284, 4.5178



5.2731, 11.9284, 3.0689



10.6825, 11.9284, 61.4189

Complementary

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



21.8716, 11.9284, 4.5178



25.4329, 39.0114, 42.2732

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.



6.8963, 11.9284, 49.5967



21.8716, 11.9284, 4.5178



4.3852, 11.9284, 11.1671

Square

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



21.8716, 11.9284, 4.5178



7.7609, 11.9284, 0.7410



4.8821, 11.9284, 28.3192



15.8726, 11.9284, 54.4196

Rectangle

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



21.8716, 11.9284, 4.5178



13.7521, 11.9284, 0.4140



4.8821, 11.9284, 28.3192



9.2237, 11.9284, 59.3744

Sweetspot

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



21.8719, 11.9291, 4.5180



64.1773, 57.3049, 57.6467



24.9707, 12.5523, 48.6833



13.2658, 11.5237, 11.3825



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.



21.8719, 11.9291, 4.5180



37.8793, 19.4937, 3.3010



24.3110, 17.4395, 3.3823



9.5831, 9.5576, 10.1938



14.2664, 7.3377, 1.4306



0.5766, 0.2945, 0.1495

Inverse Universe

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



21.8719, 11.9291, 4.5180



37.8793, 19.4937, 3.3010



18.0377, 20.7125, 50.6238



9.5831, 9.5576, 10.1938



14.2664, 7.3377, 1.4306



0.5766, 0.2945, 0.1495

Previews

White Background



This preview shows how the XYZ color 21.8716, 11.9284, 4.5178 looks on a white background.

Color Contrast Check

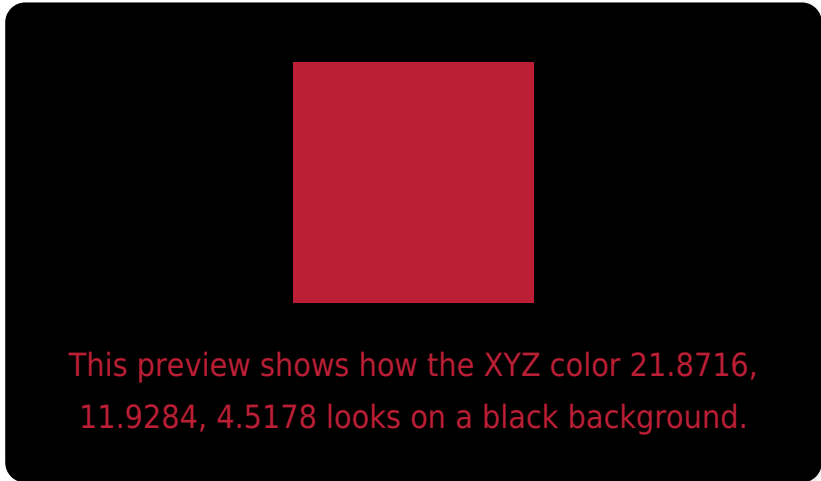
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8716, 11.9284, 4.5178

Background



This preview shows how black text looks on a background with the XYZ color 21.8716, 11.9284, 4.5178.



This preview shows how white text looks on a background with the XYZ color 21.8716, 11.9284,

4.5178.

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

21.8716, 11.9284, 4.5178

Protanopia

11.4979, 12.2604, 8.5980

Deuteranopia

12.3950, 12.1481, 4.0744



Tritanopia

21.3833, 11.8824, 2.6799

Trichromacy



Original Color

21.8716, 11.9284, 4.5178

Protanomaly

13.4838, 10.4658, 6.7783

Deuteranomaly

14.5573, 10.6965, 3.9867

Tritanomaly

21.4658, 11.8689, 3.2574

Monochromacy



Original Color

21.8716, 11.9284, 4.5178

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.4359, 7.8094, 6.7517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8716, 11.9284, 4.5178 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(188, 31, 53)` looks like.

```
.text, #text, p{  
    color:rgb(188, 31, 53)  
}
```

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(188, 31, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 31, 53) }
```

Border

The CSS property to change the border of an element to XYZ 21.8716, 11.9284, 4.5178 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(188, 31, 53) }
```


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

```
.border{ border-color:rgb(188, 31, 53) }
```

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

Here you see how a box with a 4 pixel rgb(188, 31, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 31, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 31, 53);  
box-shadow:4px 4px 4px 4px rgb(188, 31,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8716, 11.9284, 4.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 31, 53) }
```

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

```
.background{ background-color: rgb(188, 31,  
53) }
```

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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