

Converting Colors

XYZ(21.3140, 12.1342, 4.9867)

Have a look what the booklet for
XYZ(21.3140, 12.1342, 4.9867)
contains.

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Color

**XYZ(21.3089, 12.1318,
4.9599)**

Conversions

Conversions Part 1	
Format	Color
Hex	B82A38
RGB	184, 42, 56
RGB Percent	72%, 16%, 22%
CMY	0.2784, 0.8352, 0.7804
CMYK	0.00, 0.77, 0.70, 0.28
HSL	354°, 63%, 44%
HSV	354°, 77%, 72%
XYZ	21.3089, 12.1318, 4.9599
YIQ	86.0540, 80.1380, 34.4580

Conversions

Conversions Part 2

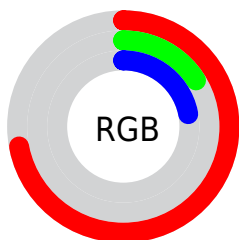
Format	Color
RYB	184, 42, 56
Decimal	12069432
CIELab	41.42, 56.23, 27.58
CIELCh	41, 62.626, 26.130
Yxy	12.1318, 0.5549, 0.3159
Android (android.graphics.Color)	4290259512 (0xFFB82A38)
YUV	86.0540, -14.8166, 85.8986
Hunter-Lab	34.8307, 48.2497, 15.9386

Details

The XYZ color **21.3089, 12.1318, 4.9599** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.3524, 37.6759, 43.9715**, and the grayscale version is **8.8764, 9.3387, 10.1698**.

A 20% lighter version of the original color is **45.0114, 29.6864, 16.1897**, and **8.2476, 4.2427, 0.7997** is the 20% darker color. If you saturate the color by 10%, you get **20.4588, 10.9769, 2.9960**, and if you desaturate by 10%, it is **22.5934, 13.9408, 7.7319**.

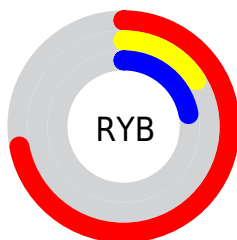
Distribution



Red (72%)

Green (16%)

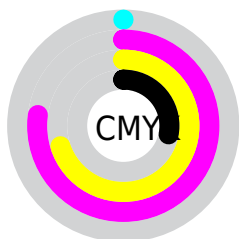
Blue (22%)



Red (72%)

Yellow (16%)

Blue (22%)

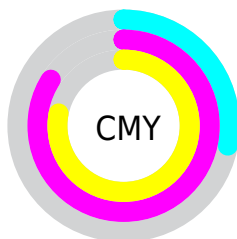


Cyan (0%)

Magenta (77%)

Yellow (70%)

Black (28%)



Cyan (28%)


Magenta (84%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3089, 12.1318, 4.9599 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 21.3089, 12.1318, 4.9599 by changing the saturation by 10% instead.


 21.3089, 12.1318,
4.9599


 21.3089, 12.1318,
4.9599


251.6164,
205.2759, 158.3621


 13.4637, 6.8335,
2.1654


 45.0885, 29.7349,
16.1692

 7.8278, 3.3582,
0.6543


 61.7536, 42.8085,
25.4211

 4.0359, 1.3215,
0.0000


 82.0894, 59.2427,
37.6626

 1.7224, 0.1577,
0.0000

 106.4613, 79.4219,
53.3121

 0.4703, 0.0000,
0.0000

 135.2346,
103.7304, 72.7883

 0.0000, 0.0000,
0.0000

 168.7746,

132.5526, 96.5097

207.4467,
166.2730, 124.8948

■ 21.3089, 12.1318,
4.9599

■ 21.3089, 12.1318,
4.9599

■ 20.4588, 10.9769,
2.9960

■ 22.5934, 13.9408,
7.7319

■ 19.9765, 10.3646,
1.7492


■ 24.3599, 16.4792,
11.3865

■ 19.8772, 10.2344,
1.5055


■ 26.6504, 19.8144,
15.9907


■ 29.5022, 24.0054,
21.6044

■ 32.9491, 29.1057,
28.2829

 37.0225, 35.1646,
36.0773

 41.7512, 42.2275,
45.0355

 47.1625, 50.3373,
55.2024

 53.2819, 59.5340,
66.6209

Harmonies

Analogous

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



22.6532, 12.1318, 14.9747



21.3089, 12.1318, 4.9599



17.1289, 12.1318, 1.4140

Triad

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



21.3089, 12.1318, 4.9599



5.6836, 12.1318, 3.5856



10.9502, 12.1318, 57.3214

Complementary

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



21.3089, 12.1318, 4.9599



25.3524, 37.6759, 43.9715

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.



7.3086, 12.1318, 46.8658



21.3089, 12.1318, 4.9599



4.8174, 12.1318, 11.5887

Square

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



21.3089, 12.1318, 4.9599



8.0899, 12.1318, 1.0658



5.3228, 12.1318, 27.6093



15.8309, 12.1318, 50.9130

Rectangle

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



21.3089, 12.1318, 4.9599



13.7589, 12.1318, 0.7427



5.3228, 12.1318, 27.6093



9.5574, 12.1318, 55.5475

Sweetspot

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



21.3092, 12.1325, 4.9601



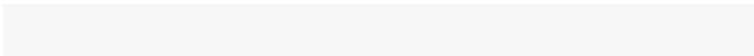
62.3867, 56.7084, 56.3732



26.0145, 13.6412, 46.6089



12.9045, 11.4160, 11.1068



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.



21.3092, 12.1325, 4.9601



36.3924, 19.0117, 3.6486



24.6287, 19.2446, 4.6081



9.0396, 9.0262, 9.5560



13.7119, 7.0585, 1.1039



0.4954, 0.2536, 0.1022

Inverse Universe

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



21.3092, 12.1325, 4.9601



36.3924, 19.0117, 3.6486



17.2227, 19.1847, 48.1423



9.0396, 9.0262, 9.5560



13.7119, 7.0585, 1.1039



0.4954, 0.2536, 0.1022

Previews

White Background



This preview shows how the XYZ color 21.3089, 12.1318, 4.9599 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



This preview shows how the XYZ color 21.3089, 12.1318, 4.9599 looks on a 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 21.3089, 12.1318, 4.9599

Background



This preview shows how black text looks on a background with the XYZ color 21.3089, 12.1318, 4.9599.



This preview shows how white text looks on a background with the XYZ color 21.3089, 12.1318,

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

21.3089, 12.1318, 4.9599

Protanopia

11.6271, 12.4628, 8.8139

Deuteranopia

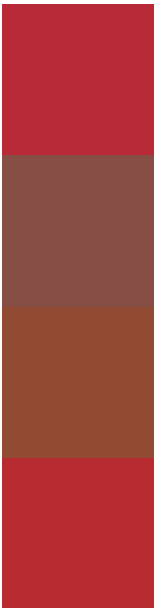
12.5622, 12.3564, 4.5192



Tritanopia

21.1415, 12.1812, 3.7195

Trichromacy



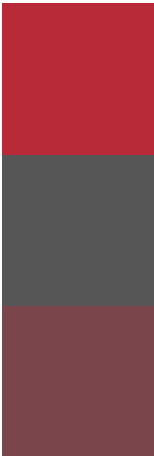
Original Color
21.3089, 12.1318, 4.9599

Protanomaly
13.6301, 10.9468, 7.0248

Deuteranomaly
14.7907, 11.2909, 4.5318

Tritanomaly
21.1854, 12.1399, 4.1324

Monochromacy



Original Color
21.3089, 12.1318, 4.9599

Achromatopsia
8.8453, 9.3059, 10.1341

Achromatomaly
11.4862, 9.0259, 7.7934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3089, 12.1318, 4.9599 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(184, 42, 56)` looks like.

```
.text, #text, p{  
    color:rgb(184, 42, 56)  
}
```

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(184, 42, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 42, 56) }
```

Border

The CSS property to change the border of an element to XYZ 21.3089, 12.1318, 4.9599 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(184, 42, 56) }
```


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

```
.border{ border-color:rgb(184, 42, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 42, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 42, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 42, 56);  
box-shadow:4px 4px 4px 4px rgb(184, 42,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3089, 12.1318, 4.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 42, 56) }
```

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

```
.background{ background-color: rgb(184, 42,  
56) }
```

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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