

Converting Colors

XYZ(21.6659, 12.0814, 4.9123)

Have a look what the booklet for
XYZ(21.6659, 12.0814, 4.9123)
contains.

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Color

**XYZ(21.6251, 12.0478,
4.9271)**

Conversions

Conversions Part 1

Format	Color
Hex	BA2538
RGB	186, 37, 56
RGB Percent	73%, 15%, 22%
CMY	0.2706, 0.8548, 0.7804
CMYK	0.00, 0.80, 0.70, 0.27
HSL	352°, 67%, 44%
HSV	352°, 80%, 73%
XYZ	21.6251, 12.0478, 4.9271
YIQ	83.7170, 82.7050, 37.4970

Conversions

Conversions Part 2

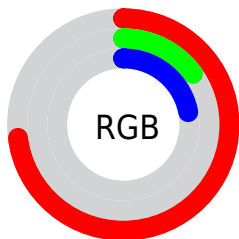
Format	Color
RYB	186, 37, 56
Decimal	12199224
CIELab	41.29, 58.29, 27.51
CIElCh	41, 64.458, 25.263
Yxy	12.0478, 0.5602, 0.3121
Android (android.graphics.Color)	4290389304 (0xFFBA2538)
YUV	83.7170, -13.6645, 89.7022
Hunter-Lab	34.7099, 50.4673, 15.8807

Details

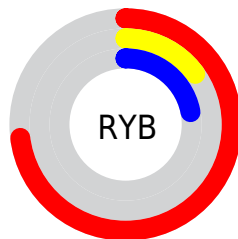
The XYZ color **21.6251, 12.0478, 4.9271** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.2984, 38.3016, 42.6247**, and the grayscale version is **8.3850, 8.8217, 9.6069**.

A 20% lighter version of the original color is **45.7898, 29.6684, 16.1451**, and **8.5367, 4.3917, 0.8132** is the 20% darker color. If you saturate the color by 10%, you get **20.8518, 11.0368, 3.0184**, and if you desaturate by 10%, it is **22.8223, 13.7009, 7.6120**.

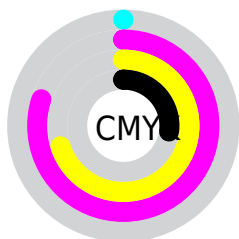
Distribution



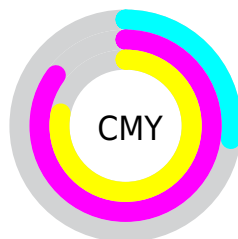
- Red (73%)
- Green (15%)
- Blue (22%)



- Red (73%)
- Yellow (15%)
- Blue (22%)



- Cyan (0%)
- Magenta (80%)
- Yellow (70%)
- Black (27%)





- Cyan (27%)
- Magenta (85%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6251, 12.0478, 4.9271 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 21.6251, 12.0478, 4.9271 by changing the saturation by 10% instead.


 21.6251, 12.0478,
4.9271


 21.6251, 12.0478,
4.9271


253.2515,
204.7215, 158.0315


 13.6967, 6.7762,
2.1466


 45.6091, 29.5821,
16.0970


 7.9903, 3.3226,
0.6433


 62.3954, 42.6137,
25.3235


 4.1405, 1.3024,
0.0000

 82.8651, 59.0007,
37.5357

 1.7819, 0.1430,
0.0000

 107.3835, 79.1276,
53.1522

 0.5068, 0.0000,
0.0000

 136.3160,
103.3787, 72.5915

 0.0000, 0.0000,
0.0000

 170.0279,

132.1385, 96.2721

208.8846,
165.7913, 124.6126

■ 21.6251, 12.0478,
4.9271

■ 21.6251, 12.0478,
4.9271

■ 20.8518, 11.0368,
3.0184

■ 22.8223, 13.7009,
7.6120

■ 20.4114, 10.5038,
1.7998

■ 24.4932, 16.0773,
11.1450

■ 26.6814, 19.2485,
15.5901

■ 29.4254, 23.2768,
21.0050

■ 32.7599, 28.2182,
27.4427

■ 36.7169, 34.1241,
34.9522

■ 41.3259, 41.0420,
43.5794

■ 46.6146, 49.0163,
53.3676

■ 52.6092, 58.0887,
64.3576

Harmonies

Analogous

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



22.9134, 12.0478, 15.3550



21.6251, 12.0478, 4.9271



17.3580, 12.0478, 1.3084

Triad

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



21.6251, 12.0478, 4.9271



5.5499, 12.0478, 3.2517



10.7265, 12.0478, 58.9617

Complementary

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



21.6251, 12.0478, 4.9271



25.2984, 38.3016, 42.6247

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.



7.0640, 12.0478, 47.5611



21.6251, 12.0478, 4.9271



4.6379, 12.0478, 11.1096

Square

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



21.6251, 12.0478, 4.9271



8.0347, 12.0478, 0.9019



5.1055, 12.0478, 27.4133



15.7200, 12.0478, 52.7435

Rectangle

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



21.6251, 12.0478, 4.9271



13.8868, 12.0478, 0.6191



5.1055, 12.0478, 27.4133



9.3182, 12.0478, 56.9238

Sweetspot

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



21.6254, 12.0485, 4.9273



63.3284, 57.0327, 57.2612



25.2790, 12.9907, 47.6292



13.3901, 11.7304, 11.5530



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.



21.6254, 12.0485, 4.9273



37.1807, 19.2805, 3.7100



24.3799, 18.1650, 3.9726



9.0500, 9.0304, 9.6105



13.7481, 7.0730, 1.2942



0.4998, 0.2554, 0.1256

Inverse Universe

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



21.6254, 12.0485, 4.9273



37.1807, 19.2805, 3.7100



17.7925, 20.2712, 49.4290



9.0500, 9.0304, 9.6105



13.7481, 7.0730, 1.2942



0.4998, 0.2554, 0.1256

Previews

White Background



This preview shows how the XYZ color 21.6251, 12.0478, 4.9271 looks on a white background.

Color Contrast Check

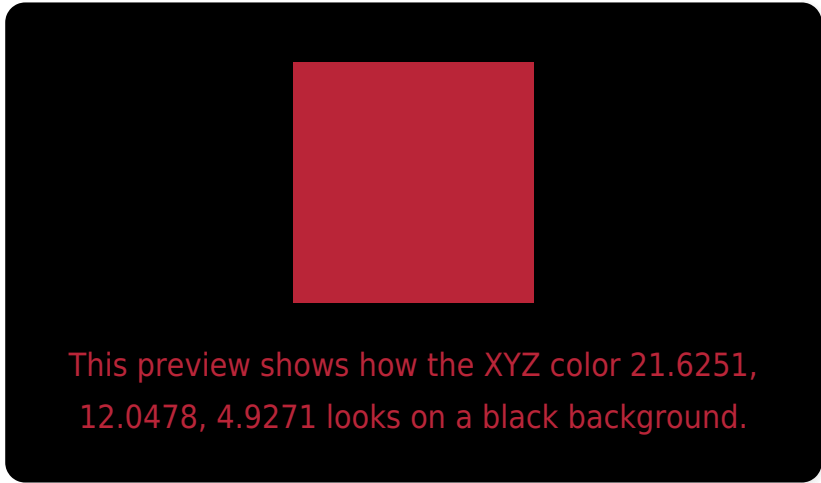
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6251, 12.0478, 4.9271

Background



This preview shows how black text looks on a background with the XYZ color 21.6251, 12.0478, 4.9271.

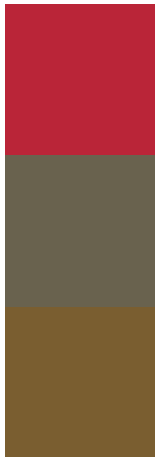


This preview shows how white text looks on a background with the XYZ color 21.6251, 12.0478,

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

21.6251, 12.0478, 4.9271

Protanopia

11.5685, 12.2887, 8.9700

Deuteranopia

12.5622, 12.3564, 4.5192



Tritanopia

21.4087, 12.1168, 3.3082

Trichromacy



Original Color

21.6251, 12.0478, 4.9271

Protanomaly

13.5214, 10.6794, 7.1430

Deuteranomaly

14.6571, 11.0238, 4.4873

Tritanomaly

21.4684, 12.0874, 3.7864

Monochromacy



Original Color

21.6251, 12.0478, 4.9271

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.1283, 8.5737, 7.5469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6251, 12.0478, 4.9271 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, 37, 56)` looks like.

```
.text, #text, p{  
    color:rgb(186, 37, 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(186, 37, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 37, 56) }
```

Border

The CSS property to change the border of an element to XYZ 21.6251, 12.0478, 4.9271 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, 37, 56) }
```


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

```
.border{ border-color:rgb(186, 37, 56) }
```

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

Here you see how a box with a 4 pixel rgb(186, 37, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 37, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 37, 56);  
box-shadow:4px 4px 4px 4px rgb(186, 37,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6251, 12.0478, 4.9271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 37, 56) }
```

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

```
.background{ background-color: rgb(186, 37,  
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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