

Converting Colors

XYZ(21.6610, 12.9127, 4.8408)

Have a look what the booklet for
XYZ(21.6610, 12.9127, 4.8408)
contains.

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Color

**XYZ(21.6610, 12.9127,
4.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	B83436
RGB	184, 52, 54
RGB Percent	72%, 20%, 21%
CMY	0.2784, 0.7960, 0.7882
CMYK	0.00, 0.72, 0.71, 0.28
HSL	359°, 56%, 46%
HSV	359°, 72%, 72%
XYZ	21.6610, 12.9127, 4.8408
YIQ	91.6960, 78.0300, 28.6060

Conversions

Conversions Part 2

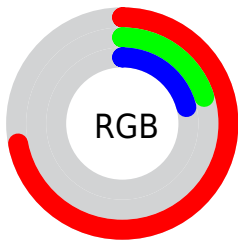
Format	Color
R_{YB}	184, 52, 54
Decimal	12071990
CIE _{Lab}	42.63, 52.69, 30.24
CIE _{LCh}	43, 60.748, 29.851
Yxy	12.9127, 0.5496, 0.3276
Android (android.graphics.Color)	4290262070 (0xFFB83436)
YUV	91.6960, -18.5841, 80.9506
Hunter-Lab	35.9342, 44.7141, 17.1669

Details

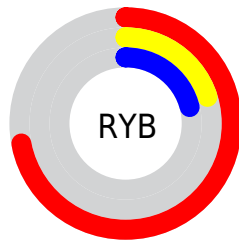
The XYZ color **21.6610, 12.9127, 4.8408** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **27.0014, 38.3887, 50.2471**, and the grayscale version is **10.1324, 10.6601, 11.6089**.

A 20% lighter version of the original color is **45.6127, 31.0478, 15.9007**, and **8.2288, 4.2351, 0.7004** is the 20% darker color. If you saturate the color by 10%, you get **20.6445, 11.4388, 2.7792**, and if you desaturate by 10%, it is **23.1566, 15.0915, 7.8444**.

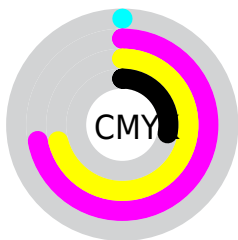
Distribution



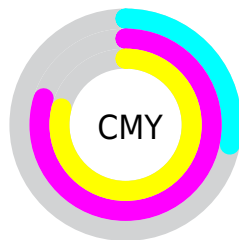
- Red (72%)
- Green (20%)
- Blue (21%)



- Red (72%)
- Yellow (20%)
- Blue (21%)



- Cyan (0%)
- Magenta (72%)
- Yellow (71%)
- Black (28%)





- Cyan (28%)
- Magenta (80%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6610, 12.9127, 4.8408 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 21.6610, 12.9127, 4.8408 by changing the saturation by 10% instead.


 21.6610, 12.9127,
4.8408


 21.6610, 12.9127,
4.8408


253.4366,
210.3574, 157.1568


 13.7232, 7.3685,
2.0971


 45.6681, 31.1469,
15.9067


 8.0088, 3.6936,
0.6140


 62.4681, 44.6056,
25.0659

 4.1525, 1.5037,
0.0000

 82.9530, 61.4712,
37.2006

 1.7887, 0.2913,
0.0000

 107.4880, 82.1282,
52.7295

 0.5109, 0.0000,
0.0000

 136.4385,
106.9609, 72.0710

 0.0000, 0.0000,
0.0000

 170.1698,

136.3538, 95.6437

209.0474,
170.6911, 123.8661

■ 21.6610, 12.9127,
4.8408

■ 21.6610, 12.9127,
4.8408

■ 20.6445, 11.4388,
2.7792

■ 23.1566, 15.0915,
7.8444

■ 20.0480, 10.5807,
1.5475

■ 25.1795, 18.0457,
11.8838

■ 19.7822, 10.1963,
1.0052

■ 27.7730, 21.8400,
17.0420

■ 30.9756, 26.5313,
23.3934

■ 34.8227, 32.1720,
31.0062

■ 39.3467, 38.8102,
39.9433

■ 44.5780, 46.4908,
50.2635

■ 50.5450, 55.2560,
62.0219

■ 57.2748, 65.1456,
75.2709

Harmonies

Analogous

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



23.4215, 12.9127, 14.1258



21.6610, 12.9127, 4.8408



17.2766, 12.9127, 1.5583

Triad

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



21.6610, 12.9127, 4.8408



6.1005, 12.9127, 4.7849



12.2501, 12.9127, 57.6902

Complementary

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



21.6610, 12.9127, 4.8408



27.0014, 38.3887, 50.2471

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.



8.3430, 12.9127, 49.3407



21.6610, 12.9127, 4.8408



5.3796, 12.9127, 13.9939

Square

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



21.6610, 12.9127, 4.8408



8.3739, 12.9127, 1.5432



6.0860, 12.9127, 30.8262



17.2265, 12.9127, 49.4932

Rectangle

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



21.6610, 12.9127, 4.8408



13.8997, 12.9127, 0.9581



6.0860, 12.9127, 30.8262



10.7787, 12.9127, 56.6798

Sweetspot

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



21.6613, 12.9135, 4.8410



62.6479, 57.6196, 55.2621



29.1242, 15.8382, 46.8691



13.0814, 11.7994, 11.0743



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.



21.6613, 12.9135, 4.8410



36.7216, 19.7232, 3.5946



26.6099, 22.8841, 6.2645



9.0100, 9.0144, 9.3999



13.6362, 7.0282, 0.7053



0.4826, 0.2485, 0.0347

Inverse Universe

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



21.6613, 12.9135, 4.8410



36.7216, 19.7232, 3.5946



16.8094, 17.6731, 47.8723



9.0100, 9.0144, 9.3999



13.6362, 7.0282, 0.7053



0.4826, 0.2485, 0.0347

Previews

White Background



This preview shows how the XYZ color 21.6610, 12.9127, 4.8408 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 21.6610, 12.9127, 4.8408 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 21.6610, 12.9127, 4.8408

Background



This preview shows how black text looks on a background with the XYZ color 21.6610, 12.9127, 4.8408.



This preview shows how white text looks on a background with the XYZ color 21.6610, 12.9127,

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

21.6610, 12.9127, 4.8408

Protanopia

12.2538, 13.0902, 8.0117

Deuteranopia

13.3720, 13.1823, 4.4244



Tritanopia

21.6610, 12.9127, 4.8408

Trichromacy



Original Color

21.6610, 12.9127, 4.8408

Protanomaly

14.3639, 11.8865, 6.5383

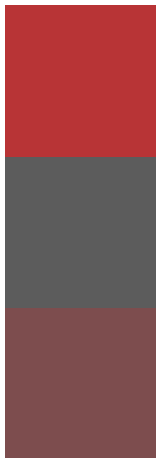
Deuteranomaly

15.5294, 12.3097, 4.4632

Tritanomaly

21.6610, 12.9127, 4.8408

Monochromacy



Original Color

21.6610, 12.9127, 4.8408

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.4865, 10.2178, 8.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6610, 12.9127, 4.8408 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, 52, 54)` looks like.

```
.text, #text, p{  
    color:rgb(184, 52, 54)  
}
```

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, 52, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 52, 54) }
```

Border

The CSS property to change the border of an element to XYZ 21.6610, 12.9127, 4.8408 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, 52, 54) }
```


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

```
.border{ border-color:rgb(184, 52, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 52, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 52, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 52, 54);  
box-shadow:4px 4px 4px 4px rgb(184, 52,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6610, 12.9127, 4.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 52, 54) }
```

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

```
.background{ background-color: rgb(184, 52,  
54) }
```

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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