

Converting Colors

XYZ(21.9456, 12.1834, 4.2126)

Have a look what the booklet for
XYZ(21.9456, 12.1834, 4.2126)
contains.

XYZ(21.9456, 12.1834, 4.2126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9456, 12.1834,
4.2126)**

Conversions

Conversions Part 1

Format	Color
Hex	BC2432
RGB	188, 36, 50
RGB Percent	74%, 14%, 20%
CMY	0.2627, 0.8588, 0.8039
CMYK	0.00, 0.81, 0.73, 0.26
HSL	354°, 68%, 44%
HSV	354°, 81%, 74%
XYZ	21.9456, 12.1834, 4.2126
YIQ	83.0440, 86.0980, 36.5780

Conversions

Conversions Part 2

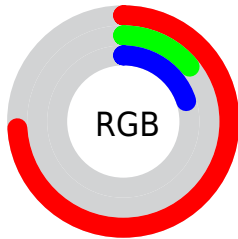
Format	Color
R_{YB}	188, 36, 50
Decimal	12330034
CIE _{Lab}	41.51, 58.87, 31.50
CIE _{LCh}	42, 66.771, 28.154
Yxy	12.1834, 0.5724, 0.3178
Android (android.graphics.Color)	4290520114 (0xFFBC2432)
YUV	83.0440, -16.2907, 92.0464
Hunter-Lab	34.9047, 51.1448, 17.2777

Details

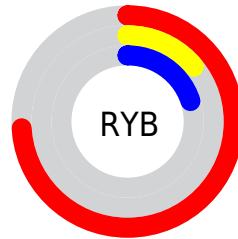
The XYZ color **21.9456, 12.1834, 4.2126** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.3523, 39.3979, 46.2663**, and the grayscale version is **8.2520, 8.6817, 9.4544**.

A 20% lighter version of the original color is **46.1697, 29.9031, 14.4048**, and **8.6371, 4.4488, 0.5758** is the 20% darker color. If you saturate the color by 10%, you get **21.2162, 11.2082, 2.4790**, and if you desaturate by 10%, it is **23.1114, 13.8121, 6.7692**.

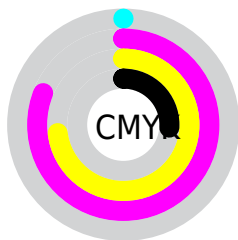
Distribution



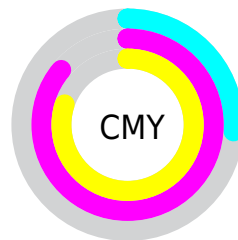
- Red (74%)
- Green (14%)
- Blue (20%)



- Red (74%)
- Yellow (14%)
- Blue (20%)



- Cyan (0%)
- Magenta (81%)
- Yellow (73%)
- Black (26%)



- Cyan (26%)
- Magenta (86%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9456, 12.1834, 4.2126 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 21.9456, 12.1834, 4.2126 by changing the saturation by 10% instead.

■ 21.9456, 12.1834,
4.2126

■ 21.9456, 12.1834,
4.2126

254.8998,
205.6157, 150.5599

■ 13.9333, 6.8687,
1.7427

■ 46.1356, 29.8287,
14.4972

■ 8.1557, 3.3801,
0.3897

■ 63.0440, 42.9281,
23.1489

■ 4.2474, 1.3333,
0.0000

■ 83.6485, 59.3912,
34.6984

■ 1.8430, 0.1667,
0.0000

■ 108.3145, 79.6023,
49.5641

■ 0.5434, 0.0000,
0.0000

■ 137.4072,
103.9460, 68.1645

■ 0.0000, 0.0000,
0.0000

■ 171.2921,

132.8065, 90.9183

210.3345,
166.5683, 118.2439

■ 21.9456, 12.1834,
4.2126

■ 21.9456, 12.1834,
4.2126

■ 21.2162, 11.2082,
2.4790

■ 23.1114, 13.8121,
6.7692

■ 20.8424, 10.7327,
1.5159

■ 24.7676, 16.1797,
10.2339

■ 26.9612, 19.3611,
14.6820

■ 29.7333, 23.4214,
20.1805

■ 33.1211, 28.4192,
26.7907

■ 37.1587, 34.4079,
34.5691

■ 41.8776, 41.4369,
43.5683

■ 47.3074, 49.5524,
53.8378

■ 53.4758, 58.7977,
65.4242

Harmonies

Analogous

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



23.6774, 12.1834, 14.1480



21.9456, 12.1834, 4.2126



17.2527, 12.1834, 1.0396

Triad

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



21.9456, 12.1834, 4.2126



5.3109, 12.1834, 3.5541



11.2811, 12.1834, 62.1279

Complementary

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



21.9456, 12.1834, 4.2126



26.3523, 39.3979, 46.2663

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.



7.3108, 12.1834, 51.5394



21.9456, 12.1834, 4.2126



4.5190, 12.1834, 12.4208

Square

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



21.9456, 12.1834, 4.2126



7.7019, 12.1834, 0.8873



5.1336, 12.1834, 30.3551



16.5805, 12.1834, 53.7030

Rectangle

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



21.9456, 12.1834, 4.2126



13.6092, 12.1834, 0.4344



5.1336, 12.1834, 30.3551



9.7631, 12.1834, 60.5820

Sweetspot

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



21.9459, 12.1841, 4.2128



64.6096, 58.2962, 57.4001



26.8978, 13.7549, 48.8138



13.3360, 11.7088, 11.2681



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.



21.9459, 12.1841, 4.2128



37.8904, 19.6256, 2.9663



25.3145, 19.3327, 4.0675



9.5649, 9.5502, 10.0976



14.2033, 7.3125, 1.0981



0.5685, 0.2913, 0.1071

Inverse Universe

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



21.9459, 12.1841, 4.2128



37.8904, 19.6256, 2.9663



17.4209, 19.2379, 50.3716



9.5649, 9.5502, 10.0976



14.2033, 7.3125, 1.0981



0.5685, 0.2913, 0.1071

Previews

White Background



This preview shows how the XYZ color 21.9456, 12.1834, 4.2126 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 21.9456, 12.1834, 4.2126

Background



This preview shows how black text looks on a background with the XYZ color 21.9456, 12.1834, 4.2126.



This preview shows how white text looks on a background with the XYZ color 21.9456, 12.1834,

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

21.9456, 12.1834, 4.2126

Protanopia

11.6626, 12.5044, 7.7601

Deuteranopia

12.5713, 12.3765, 3.8241



Tritanopia

21.7820, 12.2175, 3.0439

Trichromacy



Original Color

21.9456, 12.1834, 4.2126

Protanomaly

13.6350, 10.7620, 6.0613

Deuteranomaly

14.8698, 11.1500, 3.7513

Tritanomaly

21.8185, 12.1817, 3.3918

Monochromacy



Original Color

21.9456, 12.1834, 4.2126

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.9707, 8.4163, 7.0075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9456, 12.1834, 4.2126 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, 36, 50)` looks like.

```
.text, #text, p{  
    color:rgb(188, 36, 50)  
}
```

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, 36, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 36, 50) }
```

Border

The CSS property to change the border of an element to XYZ 21.9456, 12.1834, 4.2126 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, 36, 50) }
```


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

```
.border{ border-color:rgb(188, 36, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 36, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 36, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 36, 50);  
box-shadow:4px 4px 4px 4px rgb(188, 36,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9456, 12.1834, 4.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 36, 50) }
```

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

```
.background{ background-color: rgb(188, 36,  
50) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor