

Converting Colors

XYZ(21.4606, 12.1921, 3.4127)

Have a look what the booklet for
XYZ(21.4606, 12.1921, 3.4127)
contains.

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Color

**XYZ(21.4606, 12.1921,
3.4127)**

Conversions

Conversions Part 1

Format	Color
Hex	BA292A
RGB	186, 41, 42
RGB Percent	73%, 16%, 16%
CMY	0.2706, 0.8392, 0.8353
CMYK	0.00, 0.78, 0.77, 0.27
HSL	360°, 64%, 45%
HSV	360°, 78%, 73%
XYZ	21.4606, 12.1921, 3.4127
YIQ	84.4690, 86.0990, 31.0510

Conversions

Conversions Part 2

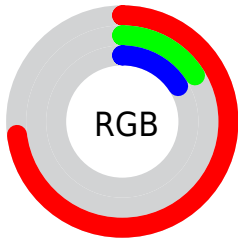
Format	Color
RYB	186, 41, 42
Decimal	12200234
CIELab	41.52, 56.54, 36.11
CIELCh	42, 67.085, 32.570
Yxy	12.1921, 0.5790, 0.3289
Android (android.graphics.Color)	4290390314 (0xFFBA292A)
YUV	84.4690, -20.9372, 89.0427
Hunter-Lab	34.9172, 48.6036, 18.6472

Details

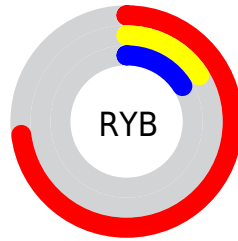
The XYZ color **21.4606, 12.1921, 3.4127** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **27.2317, 39.0925, 52.0146**, and the grayscale version is **8.5544, 8.9999, 9.8009**.

A 20% lighter version of the original color is **45.2902, 29.7680, 12.5913**, and **8.4574, 4.3600, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **20.7045, 11.0927, 1.8885**, and if you desaturate by 10%, it is **22.6734, 13.9614, 5.8407**.

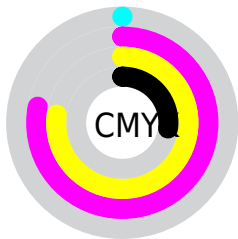
Distribution



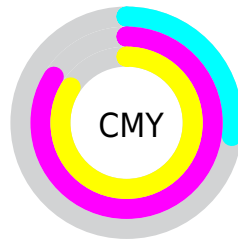
- Red (73%)
- Green (16%)
- Blue (16%)



- Red (73%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (78%)
- Yellow (77%)
- Black (27%)



- Cyan (27%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4606, 12.1921, 3.4127 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 21.4606, 12.1921, 3.4127 by changing the saturation by 10% instead.

■ 21.4606, 12.1921,
3.4127

■ 21.4606, 12.1921,
3.4127

252.4019,
205.6729, 141.4549

■ 13.5755, 6.8746,
1.3090

■ 45.3384, 29.8445,
12.6309

■ 7.9057, 3.3838,
0.0692

■ 62.0617, 42.9482,
20.5825

■ 4.0860, 1.3353,
0.0000

■ 82.4619, 59.4162,
31.3204

■ 1.7509, 0.1683,
0.0000

■ 106.9042, 79.6327,
45.2633

■ 0.4878, 0.0000,
0.0000

■ 135.7540,
103.9823, 62.8297

■ 0.0000, 0.0000,
0.0000

■ 169.3766,

132.8492, 84.4380

208.1375,
166.6180, 110.5069

■ 21.4606, 12.1921,
3.4127

■ 21.4606, 12.1921,
3.4127

■ 20.7045, 11.0927,
1.8885

■ 22.6734, 13.9614,
5.8407

■ 20.3187, 10.5329,
1.1073

■ 24.3983, 16.4815,
9.2822

■ 20.2566, 10.4419,
0.9843

■ 26.6841, 19.8244,
13.8321

■ 29.5734, 24.0528,
19.5742

■ 33.1048, 29.2236,
26.5840

■ 37.3136, 35.3887,
34.9311

■ 42.2327, 42.5965,
44.6798

■ 47.8927, 50.8921,
55.8906

■ 54.3225, 60.3178,
68.6199

Harmonies

Analogous

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



23.7544, 12.1921, 12.1035



21.4606, 12.1921, 3.4127



16.4841, 12.1921, 0.8420

Triad

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



21.4606, 12.1921, 3.4127



5.0837, 12.1921, 4.3304



12.0151, 12.1921, 62.4716

Complementary

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



21.4606, 12.1921, 3.4127



27.2317, 39.0925, 52.0146

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.



7.7726, 12.1921, 54.4157



21.4606, 12.1921, 3.4127



4.5023, 12.1921, 14.5200

Square

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



21.4606, 12.1921, 3.4127



7.2262, 12.1921, 1.0549



5.3312, 12.1921, 33.6998



17.4255, 12.1921, 51.3802

Rectangle

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



21.4606, 12.1921, 3.4127



12.8477, 12.1921, 0.3540



5.3312, 12.1921, 33.6998



10.4138, 12.1921, 61.9142

Sweetspot

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



21.4609, 12.1928, 3.4129



63.3355, 57.8483, 54.7926



29.3237, 15.2707, 47.8563



13.3595, 11.8779, 10.8999



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.



21.4609, 12.1928, 3.4129



36.9624, 19.2879, 2.2685



26.3442, 21.9875, 4.9543



9.0070, 9.0132, 9.3845



13.6292, 7.0254, 0.6682



0.4813, 0.2480, 0.0280

Inverse Universe

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



21.4609, 12.1928, 3.4129



36.9624, 19.2879, 2.2685



16.0141, 16.4895, 48.7930



9.0070, 9.0132, 9.3845



13.6292, 7.0254, 0.6682



0.4813, 0.2480, 0.0280

Previews

White Background



This preview shows how the XYZ color 21.4606, 12.1921, 3.4127 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 21.4606, 12.1921, 3.4127

Background



This preview shows how black text looks on a background with the XYZ color 21.4606, 12.1921, 3.4127.



This preview shows how white text looks on a background with the XYZ color 21.4606, 12.1921,

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

21.4606, 12.1921, 3.4127

Protanopia

11.4356, 12.4276, 5.9337

Deuteranopia

12.5622, 12.3894, 3.0256



Tritanopia

21.4606, 12.1921, 3.4127

Trichromacy



Original Color

21.4606, 12.1921, 3.4127

Protanomaly

13.5203, 10.9401, 4.7672

Deuteranomaly

14.8521, 11.3565, 2.9994

Tritanomaly

21.4606, 12.1921, 3.4127

Monochromacy



Original Color

21.4606, 12.1921, 3.4127

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.0265, 8.6289, 6.7146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4606, 12.1921, 3.4127 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, 41, 42)` looks like.

```
.text, #text, p{  
    color:rgb(186, 41, 42)  
}
```

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, 41, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 41, 42) }
```

Border

The CSS property to change the border of an element to XYZ 21.4606, 12.1921, 3.4127 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, 41, 42) }
```


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

```
.border{ border-color:rgb(186, 41, 42) }
```

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

Here you see how a box with a 4 pixel rgb(186, 41, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 41, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 41, 42);  
box-shadow:4px 4px 4px 4px rgb(186, 41,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4606, 12.1921, 3.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 41, 42) }
```

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

```
.background{ background-color: rgb(186, 41,  
42) }
```

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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