

Converting Colors

XYZ(41.4923, 21.3609, 3.2586)

Have a look what the booklet for
XYZ(41.4923, 21.3609, 3.2586)
contains.

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Color

**XYZ(41.4873, 21.3589,
3.2324)**

Conversions

Conversions Part 1

Format	Color
Hex	FF001F
RGB	255, 0, 31
RGB Percent	100%, 0%, 12%
CMY	0.0000, 0.9997, 0.8784
CMYK	0.00, 1.00, 0.88, 0.00
HSL	353°, 100%, 50%
HSV	353°, 100%, 100%
XYZ	41.4873, 21.3589, 3.2324
YIQ	79.7790, 142.0290, 63.7010

Conversions

Conversions Part 2

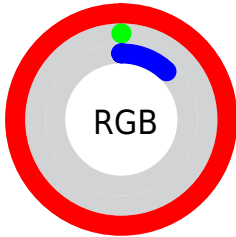
Format	Color
RYB	255, 0, 31
Decimal	16711711
CIELab	53.34, 80.40, 57.62
CIElCh	53, 98.920, 35.629
Yxy	21.3589, 0.6278, 0.3232
Android (android.graphics.Color)	4294901791 (0xFFFF001F)
YUV	79.7790, -24.0480, 153.6688
Hunter-Lab	46.2157, 79.3600, 28.2041

Details

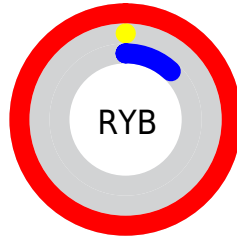
The XYZ color **41.4873, 21.3589, 3.2324** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **49.2244, 76.9054, 82.8193**, and the grayscale version is **7.6154, 8.0120, 8.7250**.

A 20% lighter version of the original color is **46.9260, 30.3739, 10.7866**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4862, 21.3584, 3.2282**, and if you desaturate by 10%, it is **42.2516, 22.2405, 5.4834**.

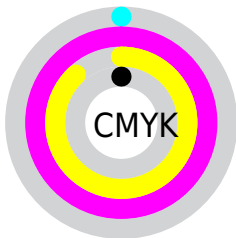
Distribution



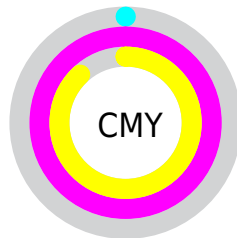
- Red (100%)
- Green (0%)
- Blue (12%)



- Red (100%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4873, 21.3589, 3.2324 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 41.4873, 21.3589, 3.2324 by changing the saturation by 10% instead.


 41.4873, 21.3589,
3.2324


 41.4873, 21.3589,
3.2324


343.3811,
259.1797, 139.2677

 28.8894, 13.3866,
1.2145


 76.6931, 45.6841,
12.1967

 19.1410, 7.6953,
0.0000


 100.0318, 62.8058,
19.9802

 11.8768, 3.9006,
0.0000


 127.6814, 83.7460,
30.5226

 6.7315, 1.6181,
0.0000

 160.0073,
108.8892, 44.2425

 3.3396, 0.3698,
0.0000

 197.3748,
138.6198, 61.5584


 1.3358, 0.0000,
0.0000

 240.1494,


 0.2098, 0.0000,


173.3222, 82.8889


0.0000


 288.6964,
213.3807, 108.6525


 0.0000, 0.0000,
0.0000


 41.4873, 21.3589,
3.2324


 41.4873, 21.3589,
3.2324


 41.4862, 21.3584,
3.2282

 42.2516, 22.2405,
5.4834

 43.7245, 24.1528,
9.1608

 46.0785, 27.3935,
14.4684

 49.4261, 32.1475,
21.5688

 53.8630, 38.5702,
30.6047

■ 59.4736, 46.7976,
41.7043

■ 66.3337, 56.9517,
54.9847

■ 74.5129, 69.1440,
70.5542

■ 84.0754, 83.4774,
88.5138

Harmonies

Analogous

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



47.6933, 21.3589, 18.0409



41.4873, 21.3589, 3.2324



29.8063, 21.3589, 0.1301

Triad

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



41.4873, 21.3589, 3.2324



6.9193, 21.3589, 6.6427



22.3430, 21.3589, 140.9959

Complementary

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



41.4873, 21.3589, 3.2324



49.2244, 76.9054, 82.8193

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.



13.0676, 21.3589, 125.4291



41.4873, 21.3589, 3.2324



6.1230, 21.3589, 29.3906

Square

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



41.4873, 21.3589, 3.2324



10.6773, 21.3589, 0.8084



7.9295, 21.3589, 75.6980



34.4525, 21.3589, 108.8083

Rectangle

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



41.4873, 21.3589, 3.2324



21.8763, 21.3589, 0.0000



7.9295, 21.3589, 75.6980



18.8032, 21.3589, 141.3635

Sweetspot

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



41.4878, 21.3603, 3.2327



66.3137, 56.9216, 54.9456



47.8720, 22.5949, 96.4451



13.5415, 11.2158, 10.5043



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4878, 21.3603, 3.2327



41.4865, 21.3586, 3.2282



45.2023, 29.1845, 3.2528



18.0990, 18.0229, 19.1386



21.7055, 11.1715, 1.8337



2.1405, 1.0986, 0.3213

Inverse Universe

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



41.4878, 21.3603, 3.2327



41.4865, 21.3586, 3.2282



30.8876, 32.8940, 99.3282



18.0990, 18.0229, 19.1386



21.7055, 11.1715, 1.8337



2.1405, 1.0986, 0.3213

Previews

White Background



This preview shows how the XYZ color 41.4873, 21.3589, 3.2324 looks on a white background.

Color Contrast Check

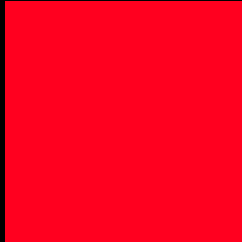
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.4873, 21.3589, 3.2324 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4873, 21.3589, 3.2324

Background



This preview shows how black text looks on a background with the XYZ color 41.4873, 21.3589, 3.2324.



This preview shows how white text looks on a background with the XYZ color 41.4873, 21.3589,

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

41.4873, 21.3589, 3.2324

Protanopia

19.8438, 21.8065, 6.6532

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

40.8144, 21.4954, 1.9979

Trichromacy



Original Color

41.4873, 21.3589, 3.2324

Protanomaly

23.2776, 16.4222, 4.5277

Deuteranomaly

25.5497, 17.2087, 2.2916

Tritanomaly

41.1043, 21.4366, 2.2879

Monochromacy



Original Color

41.4873, 21.3589, 3.2324

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.5549, 8.6447, 5.5116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4873, 21.3589, 3.2324 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(255, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 31)  
}
```

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(255, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 31) }
```

Border

The CSS property to change the border of an element to XYZ 41.4873, 21.3589, 3.2324 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(255, 0, 31) }
```


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

```
.border{ border-color:rgb(255, 0, 31) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.4873, 21.3589, 3.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 31) }
```

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

```
.background{ background-color: rgb(255, 0,  
31) }
```

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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