

Converting Colors

XYZ(41.5138, 21.3783, 3.3450)

Have a look what the booklet for
XYZ(41.5138, 21.3783, 3.3450)
contains.

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Color

**XYZ(41.5254, 21.3915,
3.3792)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0121
RGB	255, 1, 33
RGB Percent	100%, 0%, 13%
CMY	0.0000, 0.9958, 0.8706
CMYK	0.00, 1.00, 0.87, 0.00
HSL	352°, 100%, 50%
HSV	352°, 100%, 100%
XYZ	41.5254, 21.3915, 3.3792
YIQ	80.5940, 141.1120, 63.8000

Conversions

Conversions Part 2

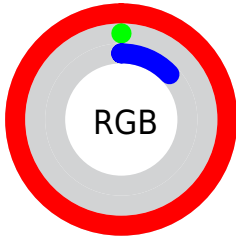
Format	Color
RYB	255, 1, 33
Decimal	16711969
CIELab	53.38, 80.37, 56.76
CIELCh	53, 98.390, 35.233
Yxy	21.3915, 0.6264, 0.3227
Android (android.graphics.Color)	4294902049 (0xFFFF0121)
YUV	80.5940, -23.4638, 152.9541
Hunter-Lab	46.2509, 79.3232, 28.0438

Details

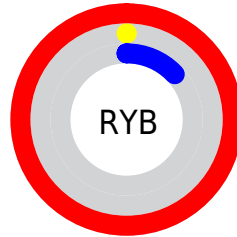
The XYZ color **41.5254, 21.3915, 3.3792** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **49.1015, 76.8578, 82.1070**, and the grayscale version is **7.7738, 8.1786, 8.9065**.

A 20% lighter version of the original color is **46.9999, 30.4035, 11.1759**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5013, 21.3645, 3.3076**, and if you desaturate by 10%, it is **42.3185, 22.3028, 5.7259**.

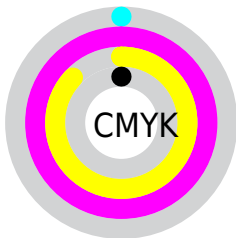
Distribution



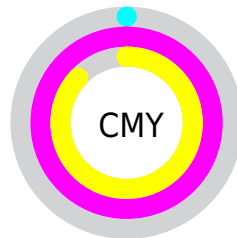
- Red (100%)
- Green (0%)
- Blue (13%)



- Red (100%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5254, 21.3915, 3.3792 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 41.5254, 21.3915, 3.3792 by changing the saturation by 10% instead.


 41.5254, 21.3915,
3.3792


 41.5254, 21.3915,
3.3792

343.5369,
259.3518, 141.0528


 28.9193, 13.4105,
1.2914


 76.7505, 45.7382,
12.5506


 19.1638, 7.7118,
0.0547


 100.1003, 62.8727,
20.4713

 11.8934, 3.9111,
0.0000


 127.7620, 83.8270,
31.1733

 6.7428, 1.6240,
0.0000

 160.1009,
108.9858, 45.0752

 3.3467, 0.3737,
0.0000

 197.4826,
138.7332, 62.5956


 1.3396, 0.0000,
0.0000

 240.2722,


 0.2126, 0.0000,


173.4538, 84.1530


0.0000


 288.8352,
213.5319, 110.1658


 0.0000, 0.0000,
0.0000


 41.5254, 21.3915,
3.3792

 41.5254, 21.3915,
3.3792


 41.5013, 21.3645,
3.3076

 42.3185, 22.3028,
5.7259

 43.8312, 24.2662,
9.5041

 46.2281, 27.5654,
14.9105

 49.6205, 32.3835,
22.1043

 54.1031, 38.8749,
31.2253

■ 59.7596, 47.1749,
42.3993

■ 66.6652, 57.4049,
55.7415

■ 74.8889, 69.6759,
71.3583

■ 84.4947, 84.0903,
89.3492

Harmonies

Analogous

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



47.5815, 21.3915, 18.4330



41.5254, 21.3915, 3.3792



29.9519, 21.3915, 0.1878

Triad

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



41.5254, 21.3915, 3.3792



7.0109, 21.3915, 6.5572



22.2178, 21.3915, 140.2178

Complementary

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



41.5254, 21.3915, 3.3792



49.1015, 76.8578, 82.1070

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.



13.0299, 21.3915, 124.1691



41.5254, 21.3915, 3.3792



6.1795, 21.3915, 28.9369

Square

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



41.5254, 21.3915, 3.3792



10.8126, 21.3915, 0.8152



7.9500, 21.3915, 74.6747



34.2468, 21.3915, 108.8489

Rectangle

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



41.5254, 21.3915, 3.3792



22.0459, 21.3915, 0.0000



7.9500, 21.3915, 74.6747



18.7093, 21.3915, 140.3526

Sweetspot

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



41.5259, 21.3929, 3.3795



66.3501, 56.9361, 55.1375



47.9235, 22.6376, 96.4507



13.5498, 11.2192, 10.5481



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.



41.5259, 21.3929, 3.3795



41.5016, 21.3646, 3.3076



45.2640, 29.2991, 3.3003



18.1023, 18.0242, 19.1559



21.7142, 11.1750, 1.8794



2.1420, 1.0992, 0.3295

Inverse Universe

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



41.5259, 21.3929, 3.3795



41.5016, 21.3646, 3.3076



30.9645, 33.0293, 99.3504



18.1023, 18.0242, 19.1559



21.7142, 11.1750, 1.8794



2.1420, 1.0992, 0.3295

Previews

White Background



This preview shows how the XYZ color 41.5254, 21.3915, 3.3792 looks on a white background.

Color Contrast Check

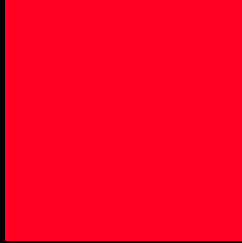
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.5254, 21.3915, 3.3792 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 41.5254, 21.3915, 3.3792

Background



This preview shows how black text looks on a background with the XYZ color 41.5254, 21.3915, 3.3792.



This preview shows how white text looks on a background with the XYZ color 41.5254, 21.3915,

3.3792.

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

41.5254, 21.3915, 3.3792

Protanopia

19.8918, 21.8257, 6.9057

Deuteranopia

22.0638, 21.7056, 3.0267



Tritanopia

41.1794, 21.6836, 2.0150

Trichromacy



Original Color

41.5254, 21.3915, 3.3792



Protanomaly

23.3180, 16.4383, 4.7402



Deuteranomaly

25.5557, 17.2111, 2.3230



Tritanomaly

41.1102, 21.4390, 2.3192

Monochromacy



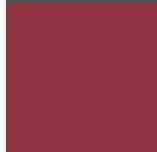
Original Color

41.5254, 21.3915, 3.3792



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.6550, 8.7554, 5.8208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5254, 21.3915, 3.3792 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, 1, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 1, 33)  
}
```

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, 1, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 1, 33) }
```

Border

The CSS property to change the border of an element to XYZ 41.5254, 21.3915, 3.3792 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, 1, 33) }
```


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

```
.border{ border-color:rgb(255, 1, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 1, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 1, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 1, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 1, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.5254, 21.3915, 3.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 1, 33) }
```

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

```
.background{ background-color: rgb(255, 1,  
33) }
```

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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