

# Converting Colors

XYZ(41.3977, 21.8486, 2.9214)

Have a look what the booklet for  
XYZ(41.3977, 21.8486, 2.9214)  
contains.

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# Color

**XYZ(41.3856, 21.8320,  
2.8969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE1918
RGB	254, 25, 24
RGB Percent	100%, 10%, 9%
CMY	0.0039, 0.9018, 0.9059
CMYK	0.00, 0.90, 0.91, 0.00
HSL	0°, 99%, 55%
HSV	0°, 91%, 100%
XYZ	41.3856, 21.8320, 2.8969
YIQ	93.3570, 136.8050, 48.2370

# Conversions

## Conversions Part 2

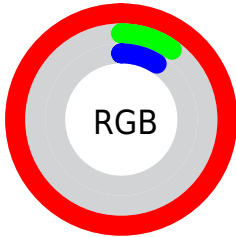
Format	Color
<a href="#">RYB</a>	<a href="#">254, 25, 24</a>
Decimal	<a href="#">16652568</a>
CIELab	<a href="#">53.85, 77.90, 60.72</a>
CIELCh	<a href="#">54, 98.771, 37.935</a>
Yxy	<a href="#">21.8320, 0.6260, 0.3302</a>
Android (android.graphics.Color)	<a href="#">4294842648 (0xFFFE1918)</a>
YUV	<a href="#">93.3570, -34.1930, 140.8839</a>
Hunter-Lab	<a href="#">46.7247, 76.3349, 29.0314</a>

# Details

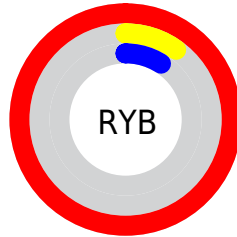
The XYZ color **41.3856, 21.8320, 2.8969** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **53.3806, 77.5791, 105.9262**, and the grayscale version is **10.5473, 11.0966, 12.0842**.

A 20% lighter version of the original color is **47.3263, 31.4549, 10.0556**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **40.8852, 21.0955, 1.9169**, and if you desaturate by 10%, it is **42.5900, 23.6045, 5.2617**.

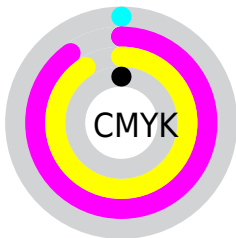
# Distribution



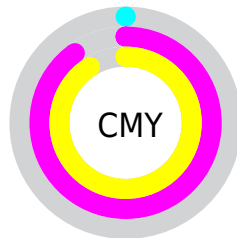
- Red (100%)
- Green (10%)
- Blue (9%)



- Red (100%)
- Yellow (10%)
- Blue (9%)



- Cyan (0%)
- Magenta (90%)
- Yellow (91%)
- Black (0%)




- Cyan (0%)
- Magenta (90%)
- Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3856, 21.8320, 2.8969 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 41.3856, 21.8320, 2.8969 by changing the saturation by 10% instead.





 41.3856, 21.8320,  
2.8969


 41.3856, 21.8320,  
2.8969

342.9648,  
261.6677, 135.0365


 28.8095, 13.7335,  
1.0422


 76.5399, 46.4682,  
11.3730

 19.0803, 7.9356,  
0.0000


 99.8489, 63.7746,  
18.8314

 11.8327, 4.0537,  
0.0000


 127.4661, 84.9192,  
28.9949

 6.7012, 1.7037,  
0.0000

 159.7571,  
110.2863, 42.2819

 3.3206, 0.4260,  
0.0000

 197.0870,  
140.2603, 59.1111


 1.3255, 0.0000,  
0.0000

 239.8214,


 0.2022, 0.0000,


175.2256, 79.9009


0.0000


 288.3255,  
215.5666, 105.0698


 0.0000, 0.0000,  
0.0000


 41.3856, 21.8320,  
2.8969


 41.3856, 21.8320,  
2.8969


 40.8852, 21.0955,  
1.9169

 42.5900, 23.6045,  
5.2617

 44.6934, 26.6908,  
9.4172

 47.8260, 31.2811,  
15.6248

 52.0966, 37.5340,  
24.1029

 57.6002, 45.5878,  
35.0420

64.4217, 55.5665,  
48.6125

72.6387, 67.5831,  
64.9699

82.3226, 81.7418,  
84.2572

93.5401, 98.1397,  
106.6080

# Harmonies

## Analogous

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



48.2622, 21.8320, 16.5764



41.3856, 21.8320, 2.8969



29.4069, 21.8320, 0.0912

# Triad

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



41.3856, 21.8320, 2.8969



6.9950, 21.8320, 7.8738



23.6997, 21.8320, 141.4995

# Complementary

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



41.3856, 21.8320, 2.8969



53.3806, 77.5791, 105.9262

# 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.



13.9854, 21.8320, 129.6179



41.3856, 21.8320, 2.8969



6.3839, 21.8320, 32.7948

# Square

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



41.3856, 21.8320, 2.8969



10.5573, 21.8320, 1.0468



8.4514, 21.8320, 80.9065



36.0085, 21.8320, 106.1777



# Rectangle

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



41.3856, 21.8320, 2.8969



21.4952, 21.8320, 0.0000



8.4514, 21.8320, 80.9065



20.0235, 21.8320, 143.2212

# Sweetspot

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



41.3861, 21.8334, 2.8972



67.7747, 60.1232, 54.5708



59.0888, 28.8797, 96.2254



13.9339, 12.0312, 10.5406



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.



41.3861, 21.8334, 2.8972



41.2524, 21.2849, 1.9341



50.2703, 39.6020, 5.8586



18.0160, 18.0001, 18.6692



21.5581, 11.1275, 1.0116



2.1012, 1.0878, 0.0992



# Inverse Universe

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



53.3806, 77.5791, 105.9262



53.4456, 78.0113, 106.8485



27.4987, 25.8152, 97.2989



18.5475, 20.4666, 23.2228



27.9297, 40.7691, 55.8317



2.7216, 3.9739, 5.4369



# Previews

## White Background



This preview shows how the XYZ color 41.3856, 21.8320, 2.8969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

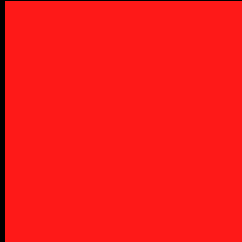
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3856, 21.8320, 2.8969 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 41.3856, 21.8320, 2.8969**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3856, 21.8320, 2.8969.



This preview shows how white text looks on a background with the XYZ color 41.3856, 21.8320,

2.8969.

# 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

41.3856, 21.8320, 2.8969

### Protanopia

20.1528, 22.1823, 5.8042

### Deuteranopia

22.1872, 21.9524, 3.0679



## Tritanopia

41.3360, 21.8470, 2.5285

# Trichromacy



## Original Color

41.3856, 21.8320, 2.8969

## Protanomaly

24.1846, 18.1085, 4.0543

## Deuteranomaly

26.2225, 18.5719, 2.4611

## Tritanomaly

41.3600, 21.8566, 2.6549

# Monochromacy



## Original Color

41.3856, 21.8320, 2.8969

## Achromatopsia

10.4043, 10.9462, 11.9204

## Achromatomaly

16.0594, 11.2270, 6.7894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3856, 21.8320, 2.8969 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(254, 25, 24)` looks like.

```
.text, #text, p{  
    color:rgb(254, 25, 24)  
}
```

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(254, 25, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 25, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3856, 21.8320, 2.8969 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(254, 25, 24) }
```



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

```
.border{ border-color:rgb(254, 25, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 25, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 25, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 25, 24);  
box-shadow:4px 4px 4px 4px rgb(254, 25,  
24) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3856, 21.8320, 2.8969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 25, 24) }
```

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

```
.background{ background-color: rgb(254, 25,  
24) }
```

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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