

Converting Colors

XYZ(41.8996, 22.4651, 2.5018)

Have a look what the booklet for
XYZ(41.8996, 22.4651, 2.5018)
contains.

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Color

**XYZ(41.9137, 22.4911,
2.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	FF230D
RGB	255, 35, 13
RGB Percent	100%, 14%, 5%
CMY	0.0000, 0.8626, 0.9490
CMYK	0.00, 0.86, 0.95, 0.00
HSL	5°, 100%, 53%
HSV	5°, 95%, 100%
XYZ	41.9137, 22.4911, 2.5129
YIQ	98.2720, 138.1820, 39.7980

Conversions

Conversions Part 2

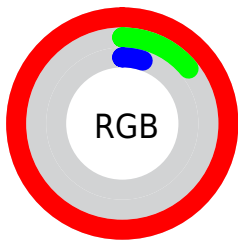
Format	Color
RYB	255, 37, 13
Decimal	16720653
CIELab	54.54, 76.51, 64.69
CIElCh	55, 100.188, 40.214
Yxy	22.4911, 0.6263, 0.3361
Android (android.graphics.Color)	4294910733 (0xFFFF230D)
YUV	98.2720, -42.0391, 137.4505
Hunter-Lab	47.4248, 74.7637, 30.0557

Details

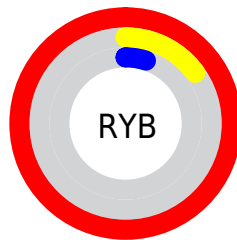
The XYZ color **41.9137, 22.4911, 2.5129** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **47.3477, 65.5691, 104.7677**, and the grayscale version is **11.7580, 12.3703, 13.4712**.

A 20% lighter version of the original color is **47.5108, 32.1806, 9.0176**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5502, 21.8809, 2.0335**, and if you desaturate by 10%, it is **43.1212, 24.4499, 4.3230**.

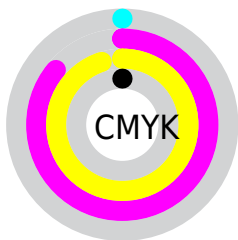
Distribution



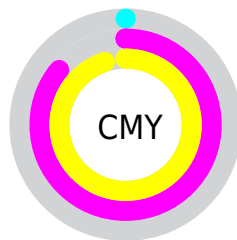
- Red (100%)
- Green (14%)
- Blue (5%)



- Red (100%)
- Yellow (15%)
- Blue (5%)



- Cyan (0%)
- Magenta (86%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (86%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9137, 22.4911, 2.5129 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 41.9137, 22.4911, 2.5129 by changing the saturation by 10% instead.


 41.9137, 22.4911,
2.5129


 41.9137, 22.4911,
2.5129


345.1228,
265.1003, 129.8920


 29.2245, 14.2182,
0.8470


 77.3350, 47.5563,
10.4008


 19.3959, 8.2726,
0.0000


 100.7978, 65.1175,
17.4645

 12.0624, 4.2699,
0.0000


 128.5826, 86.5435,
27.1662

 6.8587, 1.8256,
0.0000

 161.0546,
112.2187, 39.9243

 3.4194, 0.5031,
0.0000

 198.5793,
142.5277, 56.1574


 1.3792, 0.0000,
0.0000

 241.5220,


 0.2414, 0.0000,


177.8546, 76.2840


0.0000


 290.2480,
218.5840, 100.7227


 0.0000, 0.0000,
0.0000


 41.9137, 22.4911,
2.5129


 41.9137, 22.4911,
2.5129


 41.5502, 21.8809,
2.0335

 43.1212, 24.4499,
4.3230

 45.1363, 27.5722,
7.7938

 48.0713, 32.0041,
13.2058

 52.0200, 37.8691,
20.7879

 57.0645, 45.2763,
30.7369

■ 63.2784, 54.3243,
43.2276

■ 70.7290, 65.1035,
58.4185

■ 79.4783, 77.6977,
76.4548

■ 89.5842, 92.1850,
97.4716

Harmonies

Analogous

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



49.6450, 22.4911, 15.2490



41.9137, 22.4911, 2.5129



29.3574, 22.4911, 0.0000

Triad

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



41.9137, 22.4911, 2.5129



7.0214, 22.4911, 9.1849



25.3473, 22.4911, 145.3740

Complementary

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



41.9137, 22.4911, 2.5129



47.3477, 65.5691, 104.7677

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.



14.9924, 22.4911, 136.9726



41.9137, 22.4911, 2.5129



6.5959, 22.4911, 36.8640

Square

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



41.9137, 22.4911, 2.5129



10.4307, 22.4911, 1.2503



8.9605, 22.4911, 88.0247



38.1281, 22.4911, 105.8653

Rectangle

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



41.9137, 22.4911, 2.5129



21.2983, 22.4911, 0.0000



8.9605, 22.4911, 88.0247



21.4562, 22.4911, 148.5396

Sweetspot

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



41.9142, 22.4925, 2.5132



68.2846, 61.5734, 53.4137



56.3549, 27.5362, 80.8154



13.9307, 12.1881, 10.0366



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.



41.9142, 22.4925, 2.5132



41.5505, 21.8811, 2.0335



52.8956, 44.4553, 6.1737



18.1423, 18.2527, 18.7113



21.7556, 11.5224, 1.0774



2.1611, 1.2076, 0.1192

Inverse Universe

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



47.3477, 65.5691, 104.7677



46.8482, 64.8163, 104.6494



24.2145, 19.3028, 97.0566



18.4052, 20.1820, 23.1754



24.5375, 33.9845, 54.7010



2.4288, 3.3882, 5.3393

Previews

White Background



This preview shows how the XYZ color 41.9137, 22.4911, 2.5129 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



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 41.9137, 22.4911, 2.5129

Background



This preview shows how black text looks on a background with the XYZ color 41.9137, 22.4911, 2.5129.



This preview shows how white text looks on a background with the XYZ color 41.9137, 22.4911,

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

41.9137, 22.4911, 2.5129

Protanopia

20.4674, 22.5630, 4.9454

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

42.0338, 22.4928, 3.2885

Trichromacy



Original Color

41.9137, 22.4911, 2.5129

Protanomaly

24.6422, 18.8887, 3.4457

Deuteranomaly

27.1432, 19.6710, 2.5099

Tritanomaly

41.9667, 22.4659, 2.9351

Monochromacy



Original Color

41.9137, 22.4911, 2.5129

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

17.0468, 12.4060, 6.8063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9137, 22.4911, 2.5129 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, 35, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 13)  
}
```

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, 35, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 13) }
```

Border

The CSS property to change the border of an element to XYZ 41.9137, 22.4911, 2.5129 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, 35, 13) }
```


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

```
.border{ border-color:rgb(255, 35, 13) }
```

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

Here you see how a box with a 4 pixel rgb(255, 35, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9137, 22.4911, 2.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 13) }
```

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

```
.background{ background-color: rgb(255, 35,  
13) }
```

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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